

		(graphic\$4 and display\$4 and (enlarg\$6 or scal\$3 or or ince=reass\$3 or decreas\$3 or size\$1))same widget\$1 and (345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 22:23
		(graphic\$4 and display\$4 and (enlarg\$6 or scal\$3 or or ince=reass\$3 or decreas\$3 or size\$1))same widget\$1 and (345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 22:23
		S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and ("more than one" or multiple or multi or many or various or second)and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5)and (process\$4 or data adj process\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:37
L4	4	"I9" and "I7" and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding or gui or user)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resize\$3 or resize\$3 or rescal\$3 or re-scal\$3 or minimiz\$3 or maximiz\$3 or optimiz\$4)near8 (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)and insert\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 12:13

S1	67	345/666	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:16
S2	12698	345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 21:47
S3	9221	S2 and display\$3 and (gui or user or select\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:22
S4	4231	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:23
S5	168	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:24
S6	76	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and second)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:26
S7	57	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and second)and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:34
S8	31	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and second)and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)with (gui or user or select\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:34

S9	30	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and second)and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)with (gui or user or select\$5)and process\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:35
S10	30	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and second)and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)with (gui or user or select\$5)and (process\$4 or data adj process\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:36
S11	40	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and second)and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5)and (process\$4 or data adj process\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:36
S12	42	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and ("more than one" or multiple or multi or many or various or second))and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5)and (process\$4 or data adj process\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:38

S13	19	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and ("more than one" or multiple or multi or many or various or second))and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5)and (process\$4 or data adj process\$4) and (replac\$3 or replacement\$1 or remov\$3 or exchang\$3 or process\$3)same ((place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 16:13
S14	6	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and ("more than one" or multiple or multi or many or various or second))and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5)and (process\$4 or data adj process\$4) and (replac\$3 or replacement\$1 or remov\$3 or exchang\$3 or process\$3)with ((place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 16:02

S15	42	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and ("more than one" or multiple or multi or many or various or second))and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5)and (process\$4 or data adj process\$4) and (replac\$3 or replacement\$1 or remov\$3 or exchang\$3 or process\$3)and ((place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 15:59
S16	31	S2 and display\$3 and (gui or user or select\$5)same (size or sizing or scale or scales or scaled or scaling)near2 (first and ("more than one" or multiple or multi or many or various or second))and (place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)same (gui or user or select\$5)and (process\$4 or data adj process\$4) and (replac\$3 or replacement\$1 or remov\$3 or exchang\$3 or process\$3)and ((place\$1 or put or insert\$3 or inserets or inserted or inserter or put or puts or place or place\$1 or placing)with (gui or user or select\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 21:47
S17	1425	widget	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 21:47
S18	1333	widget and "2"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 21:47

S19	160	widget\$1 and (345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 21:48
S20	12	(graphic\$4 and display\$4 and size\$1)same widget\$1 and (345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 22:22
S21	20	(graphic\$4 and display\$4 and (enlarg\$6 or scal\$3 or increas\$3 or decreas\$3 or size\$1))same widget\$1 and (345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:06
S22	22	(graphic\$4 and display\$4 and (small\$4 or large\$3 or enlarg\$6 or scal\$3 or increas\$3 or decreas\$3 or size\$1))same widget\$1 and (345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:10
S23	12698	(345/666 or 345/660 or 345/661 or 345/662 or 345/664 or 345/665 or 345/667 or 345/668 or 345/669 or 345/670 or 345/671 or 345/156 or 345/157 or 345/349 or 715/967 or 345/723 or 345/765 or 345/764)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:09
S24	6966	thumbnail\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:09

S25	5695	thumbnail\$1 and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:10
S26	320	thumbnail\$1 and display\$3 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:10
S27	2	(graphic\$4 and display\$4 and (small\$4 or large\$3 or enlarg\$6 or scal\$3 or increas\$3 or decreas\$3 or size\$1))same widget\$1 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:12
S28	1102	widget\$1 and microsoft	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:12
S29	1088	widget\$1 and microsoft and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:12
S30	90	(scal\$3 or size\$1)with widget\$1 and microsoft and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:13
S31	0	(scal\$3 or size\$1)with widget\$1 with (first and second) and microsoft and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:13
S32	1	(scal\$3 or size\$1)with widget\$1 with (first and second) and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:16
S33	19	(scal\$3 or size\$1) near3 widget\$1 with display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:17
S34	19	(scal\$3 or size\$1 or insert\$4) near3 widget\$1 with display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:17

S35	0	(scal\$3 or size\$1 or insert\$4) near3 widget\$1 with (insert\$5 and display\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:17
S36	10	(scal\$3 or size\$1 or insert\$4) near3 widget\$1 same (insert\$5 and display\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:21
S37	35	"5742779"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:37
S38	119	"5559942"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:54
S39	147076	(pda or handheld or hand-held)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:54
S40	1786	(pda or handheld or hand-held)same (display or screen or window)with (expan\$6 or enlarg\$7 or larg\$2 or big\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:56
S41	31	(pda or handheld or hand-held)same (display or screen or window)with (expan\$6 or enlarg\$7 or larg\$2 or big\$4)same (text with (enter\$3 or input\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/02 23:57
S42	33	(pda or handheld or hand-held)same (display or screen or window or area or region)with (expan\$6 or enlarg\$7 or larg\$2 or big\$4)same (text with (enter\$3 or input\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:01
S43	3	pda and blackman.xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:06
S44	0	pda with (text and (input\$4 or enter\$3))and blackman.xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:06

S45	368	pda with (text and (input\$4 or enter\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:07
S46	12	pda with (text and (input\$4 or enter\$3)with (enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:08
S47	0	widget\$1 and pda with (text and (input\$4 or enter\$3)with (enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:08
S48	0	widget\$1 and pda with (text and (input\$4 or enter\$3)same (enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:08
S49	0	widget\$1 and pda same (text and (input\$4 or enter\$3)same (enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:09
S50	97	pda same (text and (input\$4 or enter\$3)same (enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:13
S51	217	(handheld or hand-held or pda) same (text and (input\$4 or enter\$3)same (enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:15
S52	254	(palm\$6 or handheld or hand-held or pda) same (text and (input\$4 or enter\$3)same (enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:16
S53	536	(palm\$6 or handheld or hand-held or pda) same (text and (input\$4 or enter\$3)same (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:21
S54	218	(palm\$6 or handheld or hand-held or pda) same (text and (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:17

S55	100	(palm\$6 or handheld or hand-held or pda) with (text and (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:17
S56	0	(palm\$6 or handheld or hand-held or pda) with (text and (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3 and widget\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:18
S57	3	(palm\$6 or handheld or hand-held or pda) same (text and (input\$4 or enter\$3)same (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3 and widget\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:20
S58	0	(palm\$6 or handheld or hand-held or pda) same (text and (input\$4 or enter\$3)near3 (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3 and widget\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:21
S59	68	(palm\$6 or handheld or hand-held or pda) same (text and (input\$4 or enter\$3)near3 (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:32
S60	30	(palm\$6 or handheld or hand-held or pda) with (text and (input\$4 or enter\$3)near3 (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:22
S61	3	(palm\$6 or handheld or hand-held or pda) with (text with (input\$4 or enter\$3)near3 (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:22
S62	4	(palm\$6 or handheld or hand-held or pda) with (text near3 (input\$4 or enter\$3)near3 (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:23
S63	3	(palm\$6 or handheld or hand-held or pda) with (text with (input\$4 or enter\$3)near3 (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:23

S64	24	(palm\$6 or handheld or hand-held or pda) with (text with (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:27
S65	39	(palm\$6 or handheld or hand-held or pda) same (text with (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:28
S66	39	(palm\$6 or handheld or hand-held or pda) same (text with (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and (window or widget\$1 or tool adj bar or region or area or display\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:29
S67	19	(palm\$6 or handheld or hand-held or pda) same (text with (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))same (window or widget\$1 or tool adj bar or region or area or display\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:28
S68	97	(palm\$6 or handheld or hand-held or pda) same ((graphic\$1 or text) and (input\$4 or enter\$3)near3 (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:33
S69	283	(palm\$6 or handheld or hand-held or pda) same ((graphic\$1 or text) and (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:33
S70	328	(palm\$6 or handheld or hand-held or pda) same ((graphic\$1 or text or icon\$1 or widget\$1) and (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:33
S71	135	(palm\$6 or handheld or hand-held or pda) same ((graphic\$1 or text or icon\$1 or widget\$1) same (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:34

S72	59	(palm\$6 or handheld or hand-held or pda) same ((graphic\$1 or text or icon\$1 or widget\$1) with (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3))and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:06
S73	30	(palm\$6 or handheld or hand-held or pda) same ((graphic\$1 or text or icon\$1 or widget\$1) with (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3)same display\$4)and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:35
S74	19	(palm\$6 or handheld or hand-held or pda) same ((graphic\$1 or text or icon\$1 or widget\$1) with (input\$4 or enter\$3)with (size\$1 or scal\$3 or enlarg\$6 or larger or big\$4 or increas\$3)with display\$4)and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 00:35
S75	226	(palm\$6 or handheld or hand-held or pda) same (graphic\$1 or text or icon\$1 or widget\$1) and (resiz\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:07
S76	250	(palm\$6 or handheld or hand-held or pda) same (graphic\$1 or text or icon\$1 or widget\$1) and (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:09
S77	765	(palm\$6 or handheld or hand-held or pda) same (graphic\$1 or text or icon\$1 or widget\$1 or tool adj bar or menu or region or area or screen or window or display) and (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:09
S78	48	(palm\$6 or handheld or hand-held or pda) same (graphic\$1 or text or icon\$1 or widget\$1 or tool adj bar or menu or region or area or screen or window or display) same (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:13
S79	33	(palm\$6 or handheld or hand-held or pda) same (graphic\$1 or text or icon\$1 or widget\$1 or tool adj bar or menu or region or area or screen or window or display)with (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:19

S80	48	(palm\$6 or handheld or hand-held or pda) same (graphic\$1 or text or icon\$1 or widget\$1 or tool adj bar or menu or region or area or screen or window or display)same (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:20
S81	1069	(palm\$6 or handheld or hand-held or pda) and (graphic\$1 or text or icon\$1 or widget\$1 or tool adj bar or menu or region or area or screen or window or display)same (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:22
S82	48	((palm\$6 or handheld or hand-held or pda) and (graphic\$1 or text or icon\$1 or widget\$1 or tool adj bar or menu or region or area or screen or window or display))same (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:20
S83	1695	((palm\$6 or handheld or hand-held or pda) and (graphic\$1 or text or icon\$1 or widget\$1 or tool adj bar or menu or region or area or screen or window or display))and (re-siz\$3 or re-scal\$3 or resize\$3 or rescal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:23
S84	1695	S83 or S81	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:23
S85	1069	S83 and S81	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:25
S86	910	S83 and S81 and (input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:27
S87	940	S83 and S81 and (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:27

S88	498	S83 and S81 and (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:29
S89	492	S83 and S81 and (easy or ease or easier or user or gui)and (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:31
S90	478	S83 and S81 and (easy or ease or easier or user or gui)same (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:31
S91	475	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:39
S92	349	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)same (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 10:04

S93	303	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (stylus or user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (stylus or user or gui or mouse or cursor or drag)same(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)same (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:40
S94	224	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (stylus or user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (stylus or user or gui or mouse or cursor or drag)with(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)same (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:41
S95	130	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (stylus or user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (stylus or user or gui or mouse or cursor or drag)with(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 09:43

S96	140	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3)same (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 10:05
S97	169	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3 or minimiz\$3 or maximiz\$3 or optimiz\$4)same (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 10:06
S98	247	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding or gui or user)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3 or minimiz\$3 or maximiz\$3 or optimiz\$4)same (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 10:07

S99	125	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding or gui or user)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3 or minimiz\$3 or maximiz\$3 or optimiz\$4)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 10:07
S100	67	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding or gui or user)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3 or minimiz\$3 or maximiz\$3 or optimiz\$4)near4 (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 10:08
S101	37	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding or gui or user)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3 or minimiz\$3 or maximiz\$3 or optimiz\$4)near2 (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 10:08

S10 2	95	S83 and S81 and (easy or ease or easier or user or gui)with (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)with (user or gui or mouse or cursor or drag) and (slider or scroll or scroll\$3 or sliding or gui or user)and (display\$3 or screen\$1 or window\$1)near3(return\$3 or resiz\$3 or resiz\$3 or rescal\$3 or re-scal\$3 or minimiz\$3 or maximiz\$3 or optimiz\$4)near8 (adjust\$5 or modif\$3 or modify\$3 or modification\$1 or input\$4 or manipul\$5 or enter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/03 12:13
----------	----	--	---	----	-----	------------------

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)
(c) 2004 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2004/Dec W02
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20041216,UT=20041209
(c) 2004 WIPO/Univentio
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200481
(c) 2004 Thomson Derwent

Set	Items	Description
S1	331	AU=(AMRO, H? OR DODSON, J? OR AMRO H? OR DODSON J?)
S2	1	S1 AND SMALL(') DISPLAY??
S3	2	S1 AND WIDGET
S4	2	S3 NOT S2

2/5,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01289056

Remote control of appliance using a portable digital device
Fernsteuerung einer Vorrichtung unter Verwendung eines tragbaren digitalen
Gerates

Telecommande d'un appareil avec un appareil portable numerique

PATENT ASSIGNEE:

International Business Machines Corporation, (200128), New Orchard Road,
Armonk, NY 10504, (US), (Applicant designated States: all)

INVENTOR:

Amro, Hatim Yousef, IBM United Kingdom Ltd. I.P.L, Hursley Park,
Winchester, Hampshire SO21 2JN, (GB)

Dodson, John Paul, IBM United Kingdom Ltd. I.P.L, Hursley Park,
Winchester, Hampshire SO21 2JN, (GB)

Kraft, George, IBM United Kingdom Ltd. I.P.L, Hursley Park, Winchester,
Hampshire SO21 2JN, (GB)

Taylor, Kurt Russel, United Kingdom Ltd. I.P.L, Hursley Park, Winchester,
Hampshire SO21 2JN, (GB)

LEGAL REPRESENTATIVE:

Litherland, David Peter (75471), IBM United Kingdom Limited Intellectual
Property Department Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 1107209 A1 010613 (Basic)

APPLICATION (CC, No, Date): EP 2000301542 000228;

PRIORITY (CC, No, Date): US 282629 990331

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G08C-019/28

ABSTRACT EP 1107209 A1

A method and system for remotely controlling an appliance including a first wireless communication port is disclosed. In one aspect, the method and system provide a portable digital device for remotely controlling an appliance. The portable digital device includes a processor, a second wireless communication port coupled with the processor, and a control program for use by the processor. Upon a query provided from the second wireless communication port to the first wireless communication port, an interface residing on the appliance is provided from the appliance to the portable digital device. This allows the control program to control the appliance using the interface. In another aspect, the method and system include providing the interface residing on the appliance. The interface is capable of being uploaded to a portable digital device including a processor, a control program, and a second wireless communication port. In another aspect, the method and system include providing a command from the second wireless communication port of the portable digital device to the first wireless communication port of the appliance, executing the command using the appliance, and providing a response from the first wireless communication port of the appliance to the second wireless communication port of the portable digital device.

ABSTRACT WORD COUNT: 204

NOTE:

Figure number on first page: 8

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010613 A1 Published application with search report

Examination: 020102 A1 Date of request for examination: 20011102

Examination: 021016 A1 Date of dispatch of the first examination
report: 20020903

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200124	574
SPEC A	(English)	200124	3821
Total word count - document A			4395
Total word count - document B			0
Total word count - documents A + B			4395

INVENTOR:

Amro, Hatim Yousef, IBM United Kingdom Ltd. I.P.L ...

...GB)

Dodson, John Paul, IBM United Kingdom Ltd. I.P.L ...

...SPECIFICATION Some conventional appliances may have relatively large
displays 36. However, many conventional appliances have relatively **small**
displays 36. Thus, in order to read such a display, the user may need
to be...

?

4/5,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013904479 **Image available**
WPI Acc No: 2001-388692/200141
XRPX Acc No: N01-285776

Displaying data during program execution, involves dynamically selecting a data-displaying graphical user interface control element based on the characteristics stored into a database

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: DODSON J P ; NGUYEN M; SCHWENDIMAN C A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6237004	B1	20010522	US 9828744	A	19980224	200141 B

Priority Applications (No Type Date): US 9828744 A 19980224

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6237004	B1	12	G06F-017/30	

Abstract (Basic): US 6237004 B1

NOVELTY - One or more characteristics associated with the data are obtained and subsequently stored into a database separate from the program being executed. Based on such characteristics, a graphical user interface control element is dynamically selected to display the data.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) an information handling system;
- (b) a computer readable medium;
- (c) a method for dynamically selecting a graphical user interface control element

USE - Displaying data during program execution.

ADVANTAGE - Allows a **widget** to be created, displayed, and modified without having to change the program code which uses the **widget** to display data since a **widget** specification is determined outside of a program code implementation. Supports both homogeneous changes, e.g. graphic symbol changes in which behavior remains unchanged, and heterogeneous changes in which both the graphic symbol and the behavior change.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart illustrating a method for selecting and displaying a **widget** .

pp; 12 DwgNo 3/6

Title Terms: DISPLAY; DATA; PROGRAM; EXECUTE; DYNAMIC; SELECT; DATA;

DISPLAY; GRAPHICAL; USER; INTERFACE; CONTROL; ELEMENT; BASED;

CHARACTERISTIC; STORAGE; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

Inventor: DODSON J P ...

Abstract (Basic):

... Allows a **widget** to be created, displayed, and modified without having to change the program code which uses the **widget** to display data since a **widget** specification is determined outside of a program code implementation. Supports both homogeneous changes, e.g...

...The figure shows the flowchart illustrating a method for selecting and displaying a **widget** .

4/5,K/2 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013805387 **Image available**
WPI Acc No: 2001-289599/200130
XRPX Acc No: N01-206821

**Graphical user interface operating method for personal computers,
involves selecting multiple choices from drop down list which are pressed
when roll-up widget is selected**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: AMIN S; **AMRO H Y**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6208340	B1	20010327	US 9884413	A	19980526	200130 B

Priority Applications (No Type Date): US 9884413 A 19980526

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6208340	B1	8	G06F-003/00	

Abstract (Basic): US 6208340 B1

NOVELTY - A **widget** (50) on the screen displays a drop down list (54) with multiple choices (56) and roll up **widget** (62), when selected by user. Multiple choices are selected from drop down list by clicking corresponding radio button (60) and when list is closed, by choosing roll up **widget** . The selected choices are processed when the roll up **widget** is selected.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Data processing system;

(b) Program product for use by data processing system

USE - For selecting multiple choices from **widget** in data processing systems like palm top PC, personal digital assistants, photocopier, electronic instruments, appliance, automated teller machine, POS computer.

ADVANTAGE - Multiple choices can be selected from the drop down list in response to the selection of the associated drop down **widget** and the drop down list remains open after selecting a choice. The users selection is visually indicated by highlighting or displaying a check mask adjacent to the selected choice or displaying a selection dot in the radio button.

DESCRIPTION OF DRAWING(S) - The figure shows drop down **widget** in graphical user interface.

Widget (50)

Drop down (54)

Multiple choice (56)

Radio button (60)

Roll up **widget** (62)

pp; 8 DwgNo 3/4

Title Terms: GRAPHICAL; USER; INTERFACE; OPERATE; METHOD; PERSON; COMPUTER;

SELECT; MULTIPLE; CHOICE; DROP; DOWN; LIST; PRESS; ROLL; UP; SELECT
Derwent Class: T01
International Patent Class (Main): G06F-003/00
File Segment: EPI

... computers, involves selecting multiple choices from drop down list
which are pressed when roll-up widget is selected
...Inventor: AMRO H Y

Abstract (Basic):

... A widget (50) on the screen displays a drop down list (54)
with multiple choices (56) and roll up widget (62), when selected by
user. Multiple choices are selected from drop down list by clicking
corresponding radio button (60) and when list is closed, by choosing
roll up widget . The selected choices are processed when the roll up
widget is selected.
... For selecting multiple choices from widget in data processing
systems like palm top PC, personal digital assistants, photocopier,
electronic instruments, appliance...
...from the drop down list in response to the selection of the associated
drop down widget and the drop down list remains open after selecting
a choice. The users selection is...
...The figure shows drop down widget in graphical user interface...
... Widget (50...
...Roll up widget (62
?

An object oriented Image display system

Otto Milvang

Image Processing group
Norwegian Computing Center
Oslo, Norway

Tor Lønnestad

Department of Informatics
University of Oslo
Oslo, Norway

Abstract

The paper gives an overview of a general image display system for raster displays. The system is able to display images of arbitrary size, pixel type and image organization on all types of raster displays. A general geometric transformation is performed. The display object tie together the image, the screen window, the image representation, the geometric transformation, the pixel type and the display type.

1 Introduction

Some years ago most of the image processing was done on special hardware. This hardware was typically a combination of a fast arithmetic processor and an interactive display system. During the last few years general purpose workstations have become so powerful that this special hardware may be superfluous. The arithmetic processor is replaced by the workstation CPU and the display system by a high resolution screen with mouse and keyboard interface. The display system is very important since a lot of image processing applications will need this to display images, and in most cases interact with the user. A common tool to display and inspect images is required. Some requirements for the display system are:

1. The system is a tool to display and inspect images.
2. The images may be very large (larger than the screen).
3. The pixels may be of any type.
4. The image organization may be of any type.

2 An overview

The display system is divided into five modules: core module, image module, geometry module, pixel module and display module. The core module keeps track of all

display objects in the system while the image, geometry, pixel, and display module are pools of models (instances of the module).

Each display object contains:

- A pointer to an image
- A pointer to a screen window
- A pointer to an image model
- A pointer to a geometry model
- A pointer to a pixel model
- A pointer to a display model
- A pointer to an overlay object

Example:

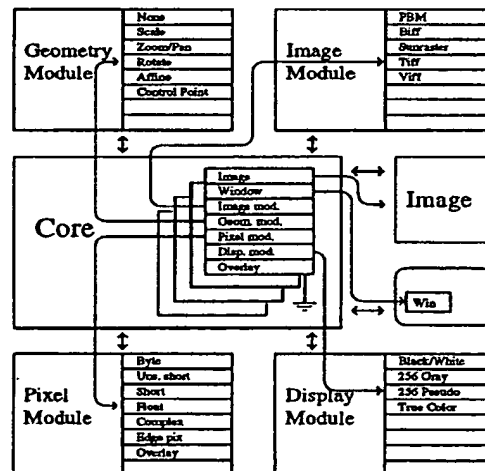


Figure 1: Display a TIFF-image of float pixels, rotated 30 deg, on a 8-bitplane pseudocolor workstation.

If you want to display a TIFF-image of float pixels, rotated 30 degrees, on a 8-bitplane pseudocolor workstation. Choose a TIFF image model, a geometry model which knows how to rotate images, a float pixel model and a 256 pseudo color display model. See fig. 1.

The image will be displayed in a window on the screen. The window is a rectangular area of individually addressable dots on the screen. On a black and white screen this dot is set to black or white. On other workstations the dot is set to a shade of gray or to some color. The image is a set of pixels. Each pixel is a point or covers a small surface on an unlimited canvas. The description of position and shape for each pixel is hidden inside the image module. Each dot (w_x, w_y) in the window will represent the pixel which covers the canvas coordinates (c_x, c_y) , or if the canvas coordinates (c_x, c_y) is outside the image, a background color is displayed. The conversion from window coordinates to canvas coordinates is defined by the geometry module. From the canvas coordinates the image module will return an address to the pixel which covers this point. The pixel module will convert the pixel value to a number, a triplet of numbers or an ascii string representing the number.

3 Modules

3.1 Core module

All display commands are sent to the core module. The core module will carry out these commands by itself or by using virtual procedures from the other modules. The methods in this module are:

- Create display object
Initialize the data structure for the object and tell the window system to create a screen window. Select image, geometry, pixel, and display model.
- Destroy display object
Deallocate data structures and tell the window system to remove the screen window.
- Install new image/geometry/pixel/display model
New models may be installed into the system. The modules keep track of a list of models. Each model is identified by its name. If two or more models in the system have identical names the latest installed will be active. A parameter block of methods is passed to the "install method".
- Select new image/geometry/pixel/display model
Since each model is identified by name, models may be switched by selecting models by passing their names.

- Redisplay display object
Redisplay the entire window, a part of a window or a subarea of the canvas.
- Relay geometry
If "Relay geometry" is set, all images on the screen is forced to have the same geometry parameters. This is useful when comparing two or more images.
- Log cursor
If "Log cursor" is set, cursor movement is reported. A block containing pointer to the image, position and address to the pixel under the cursor is passed to a log routine.

3.2 Geometry module

The geometry module will perform a simple output-to-input mapping:

$$c_x = C_x(w_x, w_y), \text{ and } c_y = C_y(w_x, w_y)$$

Since the geometric transform is performed on all pixels it is recommended to restrict the geometric transform to:

$$c_x = C_x(w_x), \text{ and } c_y = C_y(w_y)$$

In this case the transformation can be represented by two arrays. The most common geometric operations are zoom and pan.

$$c_x = C_x(w_x) = p_x + z_x \times w_x, \text{ and } c_y = C_y(w_y) = p_y + z_y \times w_y$$

The methods in this module are:

- Get current parameters for the geometry
Different models in the geometry module may use different number of parameters. This method will return a pointer to a parameter block. The application is responsible for using this correctly.
- Set new parameters for the geometry model
The basic method for setting new parameters is to pass a pointer to a parameter list.
- Modify parameters
The two previous methods are basic methods for reading and writing parameters. It may be useful that each geometry model has a method to modify existing parameters. Commands like: "Zoom in on cursor position", "Pan image 5 pixels up", and "Rotate image 30 degrees around pixel (40, 50)" may be invoked by:

```
geometry("zoom, *2, CX, CY");
geometry("pan, +0, +5");
geometry("rotate, +30, 40, 50")
```

- Set new window size
In most window systems the user may resize windows on the screen. The module need to know the new window size.
- Convert window coordinates to canvas coordinates
According to the current settings, this routine will convert window coordinates to canvas coordinates.
- Convert canvas coordinates to window coordinates
Depending on the magnification, one pixel may be mapped to zero, one or many dots in the window. If one pixel maps one dot, the coordinates of the dot are returned. If one pixel maps many dots a parameter will tell the method to choose the left/upper or right/bottom of the dots. If one pixel maps no dots, the parameter will tell the method to choose the first dot with canvas position higher than the current pixel or the parameter will tell the method to choose the last dot with canvas position lower than the current pixel.

3.3 Image module

A lot of data structures for image processing exist [1][2][3]. A usual way to represent images is to use a rectangular array of pixels. Other popular representations are run-length-coding, y-line encoding and pyramid representation. Common to all methods described above is the fast access to the pixel addresses. Even n-band images may be represented in this scheme.

The methods in this module are:

- Get current parameters for the image model
Different models in the image module may use different number of parameters. This method will return a pointer to a parameter block. The application is responsible for using this correctly.
- Set new parameters for the image model
The basic method for setting new parameters is to pass a pointer to a parameter list.
- Convert canvas coordinates to pixel address
The image model imply that the pixel interpretation may be unknown to the model. A pixel may be of any size and type. The image model will only give a pointer to the pixel value.

3.4 Pixel module

The task of the pixel module is to convert the pixel value to a numeric value, a triplet of numeric values or a string. The values may be scaled and clipped in this module. The result from this module is a gray value or a color triplet. For

most pixel types this module does nothing but clipping. Parameters to this module may be scale type (no scaling, linear, logarithmic, etc.), scale parameters, clip values, length of text string, etc. All types of image representations may be implemented in this module.

The methods in this module are:

- Get current parameters for the pixel model
Different models in the pixel module may use different number of parameters. This method will return a pointer to a parameter block. The application is responsible for using this correctly.
- Set new parameters for the pixel model
The basic method for setting new parameters is to pass a pointer to a parameter list.
- Convert pixel to unsigned short
This method is used to display gray-level images. Each pixel is converted to an intensity level in the range 0..65535.
- Convert pixel to triplet of unsigned short
This method is used to display color images. The triplet represent the three intensities in a color system (*RGB, IHS, XYZ, L*u*v**, etc.) The color system must match the color system of the display module.
- Convert pixel to string
This method will return a string where the pixel value is converted to ascii text. This gives the display system a method to report pixel values:

```
/* image = image pointer */
/* wx, wy = window coordinates */
/* cx, cy = canvas coordinates */
/* ptr = address to pixel */
/* str = string to print */
```

```
find_position(image, &wx, &wy);
win_to_cv(image, wx, wy, &cx, &cy);
cv_to_pixel(image, cx, cy, &ptr);
pixel_to_string(image, ptr, &str);
report("(%d,%d)=%s", cx, cy, str);
```

- arithmetics
This is a set of methods to define simple arithmetic operations between two pixels and between a pixel and a scalar.

3.5 Display module

In the "X window system" [4] display types are divided into 6 classes: StaticGray, GrayScale, StaticColor, PseudoColor, TrueColor and DirectColor. GrayScale, Pseudo-

Color and DirectColor have read/write look up tables. StaticGray, StaticColor and TrueColor have a fixed look up table. A pixel value indexes the look up table to produce RGB or gray level values. Most common workstations in image processing environments are 8-planes PseudoColor and 24 plane TrueColor displays. For each display type there must be a conversion from a gray value or a color triplet to a display value.

Parameters to this module may be a threshold value, a look-up-table, how many entries to use in the look-up-table, etc.

The methods in this module are:

- Get current parameters for the display model
Different models in the display module may use different number of parameters. This method will return a pointer to a parameter block. The application is responsible for using this correctly.
- Set new parameters for the display model
The basic method for setting new parameters is to pass a pointer to a parameter list.
- Convert unsigned short to dot value
This method will divide the range of an unsigned short into the available number of gray-levels. The dot is either written to the display or combined by a logical operator with the original dot.
- Convert triplet of unsigned short to dot value
For true color displays, the triplet is converted to RGB and written to the display (or combined by a logical operator with the original dot).
- Print string into display
If an image is magnified enough, each pixel will cover an area big enough to display the textual value of the pixel.

4 Overlays

In the *display object* an overlay pointer is used to chain up overlays. An overlay is represented by a *display object* as well. When an image is displayed the system will follow the overlay chain and print out any overlays. The image and the overlays may share image, geometry, and pixel models, but normally not the display models. For each dot, the display system will find the overlay value in the same manner as for images. If the canvas coordinates are outside the overlay, the dot should be intact, otherwise the overlay value should replace the dot, or be combined with the dot with some logical operation.

5 Implementation

Two X11-image widget are implemented[5], a simple image widget and an overlay image widget. The widgets are able to display rectangular images of pixels. The implemented pixel types are unsigned byte, short, unsigned short, int, float and double. Zoom, pan and resize are implemented. The widgets work on most display types (black-and-white, 4-bit gray-scale, 8-bit gray-scale, 8-bit pseudo-color and 24-bit true color.) In the implementation, geometry, pixel and display models are combined to increase the speed. The widgets are written in Athena style.

6 Discussion

The image widget and image overlay widget have been used for 2 years. Over 200 students and 30 scientists have used the display system frequently. The widget has been modified a lot according to comments and inquiries from this group. The current version is well tested and is powerful enough to cover our needs. On the other hand, we will work to improve the drawing functions in the overlay widget.

References

- [1] Linda G. Shapiro, "Data structure for picture processing: A Survey," *Computer graphics and image processing*, Vol 11, pp. 162-184, 1979.
- [2] Piper, J. and D. Rutovitz, "Data structures for image processing in a C language and UNIX environment," *Pattern Recognition Letters*, Vol 3, pp. 119-129, 1985.
- [3] M.R. Dobie and P.H. Lewis, "Data structures for image processing in C," *Pattern Recognition Letters*, Vol. 8, pp. 457-466, 1991.
- [4] Douglas A. Young, *The X Window System, Programming and Application with Xt OSF/Motif edition*, Prentice Hall 1990.
- [5] Otto Milvang and Tor Lønnestad, "An image widget for image processing," *The X Journal*, Vol. 1, No 2, pp. 62-67, 1991.

File 2:INSPEC 1969-2004/Dec W2
(c) 2004 Institution of Electrical Engineers
File 6:NTIS 1964-2004/Dec W1
(c) 2004 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1970-2004/Dec W2
(c) 2004 Elsevier Eng. Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Dec W2
(c) 2004 Inst for Sci Info
File 35:Dissertation Abs Online 1861-2004/Dec
(c) 2004 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Dec W3
(c) 2004 BLDSC all rts. reserv.
File 94:JICST-EPlus 1985-2004/Nov W2
(c)2004 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2004/Jun W1
(c) 2004 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Nov
(c) 2004 The HW Wilson Co.
File 144:Pascal 1973-2004/Dec W1
(c) 2004 INIST/CNRS
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.
File 239:Mathsci 1940-2004/Feb
(c) 2004 American Mathematical Society
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2004/Dec 20
(c) 2004 ProQuest Info&Learning
File 248:PIRA 1975-2004/Dec W2
(c) 2004 Pira International

Set	Items	Description
S1	351207	WIDGET?? OR ICON?? OR SYMBOL? OR HYPERACTIVE(3N)LINK? OR METATHING OR META()THING OR GUI OR GRAPHICAL?(3N)INTERFACE?
S2	351459	(S1 OR TEXT()FIELD)
S3	13910	USER()(INPUT OR CONTROL? OR INTERACT?)
S4	2433	S1(3N)(FIRST OR INITIAL)
S5	1150	S1(3N)(SECOND OR SUBSEQUENT)
S6	298	S1(3N)THIRD
S7	39324	SIZE? AND SECOND AND (LARGER? OR BIGGER OR ENLARG? OR INCREASES? OR RESIZ?)
S8	63	(REMOV? OR REPLAC? OR HIDE OR HID OR HIDING OR TRANSPAREN?) AND S5
S9	713	PERCENT?(3N)DISPLAY??
S10	766	AU=(AMRO, H? OR DODSON, J? OR AMRO H? OR DODSON J?)
S11	0	(INSERT? OR REPLAC?) AND USER()INPUT AND S5
S12	0	S3 AND S4 AND S5 AND S6
S13	0	S3 AND S4 AND S5
S14	211	S1 AND S7
S15	0	S14 AND S9
S16	0	S14 AND S3
S17	0	S14 AND S9
S18	0	S14 AND S10
S19	1189	S2 AND S3
S20	161	S19 AND (FIRST OR INITIAL)
S21	42	S20 AND (SECOND OR SUBSEQUENT)

S22 0 S21 AND S7
 S23 2 S21 AND (REMOV? OR REPLAC? OR HIDE OR HID OR HIDING OR TRA-
 NSPAREN?)
 S24 2 RD S23 (unique items)
 S25 4 S2 AND S9
 S26 4 S25 NOT S24
 S27 4 RD S26 (unique items)
 S28 4583139 COMPUTER? OR LAPTOP
 S29 48536 PDA OR PERSONAL()DIGITAL()ASSISTANT? OR (POCKET OR PORTABLE
 OR PALM()TOP OR PALMTOP OR HAND()HELD OR HANDHELD) () (COMPUTE-
 R? OR DEVICE?) OR PALM(2N)PILOT
 S30 1180 (S28 OR S29) (3N)DISPLAY? AND S2
 S31 1 S30 AND S7
 S32 1 S31 NOT (S27 OR S24)
 S33 2 S7 AND S8
 S34 2 S33 NOT (S31 OR S27 OR S24)
 S35 1 RD S34 (unique items)

24/3,K/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03935495 INSPEC Abstract Number: B91051984, C91047760

Title: Performance measurements of the X Window System communication protocol

Author(s): Droms, R.; Dyksen, W.R.

Author Affiliation: Bucknell Univ., Lewisburg, PA, USA

Journal: Software - Practice and Experience vol.20, no.S2 p.119-36

Publication Date: Oct. 1990 Country of Publication: UK

CODEN: SPEXBL ISSN: 0038-0644

U.S. Copyright Clearance Center Code: 0038-0644/90/S20119-18\$09.00

Language: English

Subfile: B C

Abstract: The X Window System is a portable, network **transparent** window system. An X server manages the resources of an X display consisting of a screen, keyboard and pointer. An X server distributes **user input** (events) to and accepts output (requests) from X clients which vie for display resources. There...

... delays that might be introduced by network communications between an X server and client. The **first** is latency delay caused by the effect of round-trip transmission times between a server and a client. The **second** is transmission delay caused by the finite bandwidth available on an Ethernet. The authors study...

Descriptors: **graphical user interfaces** ;

...Identifiers: network **transparent** window system...

24/3,K/2 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

01982159 INSPEC Abstract Number: C83005998

Title: Constructing graphical user interfaces by example

Author(s): Lieberman, H.

Author Affiliation: Artificial Intelligence Lab., MIT, Cambridge, MA, USA

Conference Title: Proceedings of Graphics Interface '82 p.295-302

Publisher: Canadian Man-Comput. Commun. Soc, Toronto, Ont., Canada

Publication Date: 1982 Country of Publication: Canada x+387 pp.

Conference Sponsor: Canadian Man-Comput. Commun. Soc.; Nat. Comput. Graphics Assoc. Canada

Conference Date: 17-21 May 1982 Conference Location: Toronto, Ont., Canada

Language: English

Subfile: C

Title: Constructing graphical user interfaces by example

...Abstract: an experimental programming environment for Lisp which makes use of graphics in two novel ways: **First**, a high resolution display and a mouse allows Tinker to **replace** most typed commands with menu selection operations, and use multiple windows to display different viewpoints on a developing program simultaneously. **Second**, Tinker uses an example-oriented approach to programming which is especially suited to writing graphics...

... by examining example pictures illustrating the effects of each graphics command. As each request for **user input** is introduced, the implementor supplies example input. Tinker's unique approach to the design of interactive **graphical user interfaces** is illustrated by showing how to write a portion of a VisiCalc-like constraint system...

Identifiers: **graphical user interfaces** ; ...

... **graphical user interfaces**

?

27/3,K/1 (Item 1 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05495813 E.I. No: EIP99035081142

Title: Federal Express converts envelopes to 100 percent recycled paperboard

Author: Anon

Source: Recycled Paper News v 10 n 3 1999. 2 pp

Publication Year: 1999

CODEN: RPNEF2 ISSN: 1051-9831

Language: English

...Abstract: has also signed a license agreement with the 100% Recycled Paperboard Alliance (RPA-100%) to **display** the 100 **percent** recycled paperboard **symbol** on its envelopes. FedEx has also announced that it is taking steps to incorporate more...

27/3,K/2 (Item 1 from file: 233)

DIALOG(R) File 233: Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00612078 00MQ10-009

Up close and readable

Nadel, Brian

Mobile Computing & Communications , October 1, 2000 , v11 n10 p44, 1

Page(s)

ISSN: 1047-1952

Company Name: AiSquared

URL: <http://www.aisquared.com>

Product Name: BigShot

... on utility program from AiSquared (802). Explains that it magnifies any Windows-based notebook PC **display** by 100 **percent**. Highlights its ease of installation, option to let it remain active on the desktop or be called into action from a Task Tray **icon**, five percent magnification gradations, ability to pan around the magnified screen, enlargement of Web pages...

27/3,K/3 (Item 2 from file: 233)

DIALOG(R) File 233: Internet & Personal Comp. Abs.

(c) 2003 EBSCO Pub. All rts. reserv.

00444062 96PQ12-008

Finding the problem is no Fluke

Rigney, Steve

PC Magazine-Network Edition , December 3, 1996 , v15 n21 pNE27, 1

Page(s)

ISSN: 0888-8507

Company Name: Fluke

Product Name: OneTouch Network Assistant

... IP addresses, and faulty network adapters. It provides a large backlit display with touch-screen **icons**. Its auto-test feature provides a wealth of information about a network. It has a network health **icon** which **displays** gauges that indicate **percentage** of network utilization,

errors, collisions, broadcasts, protocol usage, and stations. It also provides a wiremap...

27/3,K/4 (Item 1 from file: 248)
DIALOG(R) File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00037518 Pira Acc. Num.: 730856 Pira Abstract Numbers: 03-76-00856

Title: CHECKS UPC ON PRESS

Source: PACKAGE PRINT. DIECUTT. vol 21 no 8 Aug 1975 p 60

Publication Year: 1975

Document Type: Journal Article

Language: unspecified

...Abstract: has developed and is test-marketing a new, on-press monitor designed to analyse UPC **symbols** for readability as they are being printed. Called Monitor 101, this laser-based computer system focuses on the UPC **symbol** for monitoring ink density, line resolution and printing accuracy while analysing each **symbol** for readability. The instrument scans **symbols** with a laser, the same way supermarket POS systems work. While the press operates, Monitor 101 computes the number of good labels and **displays** the **percentage** of good labels based upon the last 1000 packages run. All labels are compared to...

...Descriptors: **SYMBOL** ;

?

32/3,K/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5199900 INSPEC Abstract Number: B9604-7260-022, C9604-5260B-093

Title: An image resizing IC for multiple window display

Author(s): Ching-Mei Huang; Chein-Wei Jen

Author Affiliation: Dept. of Electron. Eng., Nat. Chiao Tung Univ.,
Hsinchu, Taiwan

Conference Title: 1995 International Symposium on VLSI Technology,
Systems, and Applications. Proceedings of Technical Papers (Cat.
No.95TH8104) p.214-18

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA xi+373 pp.

ISBN: 0 7803 2773 X Material Identity Number: XX95-02509

Conference Title: 1995 International Symposium on VLSI Technology,
Systems, and Applications. Proceedings of Technical Papers

Conference Date: 31 May-2 June 1995 Conference Location: Taipei,
Taiwan

Language: English

Subfile: B C

Copyright 1996, IEE

Title: An image resizing IC for multiple window display

Abstract: An image **resizing** IC which can perform real-time multiple
window **size** adjustment is designed. In this **resizer**, the
multiplierless, modulized CIC (Cascaded Integrator-Comb) filters are chosen
to execute band-width filtering. Filter stages can be allocated to image
resizing processes for different **size** windows according to our hardware
utilization rule. An overlap-save skill is applied on account...

...IC using CCL's 0.8 um cells library and is scheduled to serve the
resizing process of four 320*200 image resources 30 frames per **second**.

Descriptors: **computer displays** ; ...

... **graphical user interfaces** ;

Identifiers: image **resizing** IC...

?

35/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

11338804 Genuine Article#: 636KT No. References: 187

Title: The algorithmic complexity of multichannel EEGs is sensitive to changes in behavior

Author(s): Watanabe TAA; Cellucci CJ; Kohegyi E; Bashore TR; Josiassen RC; Greenbaun NN; Rapp PE (REPRINT)

Corporate Source: Norristown State Hosp,Clin Res Ctr, Arthur P Noyes Res Fdn,Bldg 52,1001 Sterigere St/Norristown//PA/19401 (REPRINT); Norristown State Hosp,Clin Res Ctr, Arthur P Noyes Res Fdn,Norristown//PA/19401; Drexel Univ,Dept Pharmacol & Physiol, Coll Med,Philadelphia//PA/19104; Ursinus Coll,Dept Phys,Collegeville//PA/19426; Univ No Colorado,Dept Psychol,Greeley//CO/80639; Univ Penn,Dept Psychiat,Philadelphia//PA/19104; Coll New Jersey,Dept Math,Trenton//NJ/

Journal: PSYCHOPHYSIOLOGY, 2003, V40, N1 (JAN), P77-+

ISSN: 0048-5772 Publication date: 20030100

Publisher: BLACKWELL PUBLISHING LTD, 9600 GARSINGTON RD, OXFORD OX4 2DG, OXON, ENGLAND

Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

...Abstract: Symbolic measures used thus far have two limitations, however. First, because the value of complexity **increases** with the length of the message, it is difficult to compare signals of different epoch lengths. **Second**, these **symbolic** measures do not generalize easily to the multichannel case. We address these issues in studies...

...partition of EEG activity about the median, redundancy was shown to be insensitive to the **size** of the data set while being sensitive to changes in the subject's behavioral state...

...Statistical separations between the eyes open and eyes closed conditions were found to decrease following **removal** of the 8- to 12-Hz content in the EEG, but still remained statistically significant...

?

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200481
(c) 2004 Thomson Derwent

Set	Items	Description
S1	74960	WIDGET?? OR ICON?? OR SYMBOL? OR HYPERACTIVE(3N)LINK? OR M-ETATHING OR META()THING OR GUI OR GRAPHICAL?(3N)INTERFACE?
S2	75050	(S1 OR TEXT())FIELD)
S3	9689	USER()(INPUT OR CONTROL? OR INTERACT?)
S4	1822	S1(3N)(FIRST OR INITIAL)
S5	1360	S1(3N)(SECOND OR SUBSEQUENT)
S6	204	S1(3N)THIRD
S7	20350	SIZE? AND SECOND AND (LARGER? OR BIGGER OR ENLARG? OR INCR-EAS? OR RESIZ?)
S8	109	(REMOV? OR REPLAC? OR HIDE OR HID OR HIDING OR TRANSPAREN?) AND S5
S9	286	PERCENT?(3N)DISPLAY??
S10	304	AU=(AMRO, H? OR DODSON, J? OR AMRO H? OR DODSON J?)
S11	0	(INSERT? OR REPLAC?) AND USER()INPUT AND S5
S12	146398	IC=G09G?
S13	77	S4 AND S5 AND S6
S14	2	S13 AND S7
S15	55	S4 AND S8
S16	1	S15 AND S9
S17	1	S16 NOT S14
S18	13	(REMOV? OR REPLAC? OR HIDE OR HID OR HIDING OR TRANSPAREN?-)(3N)S5
S19	1	S18 AND S12
S20	1	S19 NOT (S16 OR S14)
S21	768063	COMPUTER? OR LAPTOP
S22	42684	PDA OR PERSONAL()DIGITAL()ASSISTANT? OR (POCKET OR PORTABLE OR PALM()TOP OR PALMTOP OR HAND()HELD OR HANDHELD)()(COMPUTE-R? OR DEVICE?) OR PALM(2N)PILOT
S23	30610	(S21 OR S22) AND S12
S24	1843	S23 AND S1
S25	3	S24 AND S7
S26	3	S25 NOT (S19 OR S16 OR S14)
S27	0	S24 AND S9
S28	1847	S23 AND S2
S29	20	S28 AND S5
S30	14	S29 NOT PY=>2000
S31	13	S30 NOT (S25 OR S19 OR S16 OR S14)
S32	13	IDPAT (sorted in duplicate/non-duplicate order)
S33	13	IDPAT (primary/non-duplicate records only)

14/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011843950 **Image available**
WPI Acc No: 1998-260860/199823
Related WPI Acc No: 1999-610421
XRPX Acc No: N98-205687

**GUI for computer communication with asphasic user - involves displaying
iconic representations of differing sizes according to mouse clicks on
display areas**

Patent Assignee: TOLFA CORP (TOLF-N)
Inventor: GONSALVES R F; LEIFER L J; STEELE R D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5742779	A	19980421	US 91791938	A	19911114	199823 B
			US 95458851	A	19950602	
			US 96627051	A	19960403	

Priority Applications (No Type Date): US 91791938 A 19911114; US 95458851 A
19950602; US 96627051 A 19960403

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5742779	A		44	G06F-003/00	Cont of application US 91791938 Cont of application US 95458851

... involves displaying iconic representations of differing sizes
according to mouse clicks on display areas

...Abstract (Basic): cursor on the display is moved by the user via a mouse
to a desired icon of a first size , and a first spatial
orientation of an image, is displayed at a desired location on...

...The first representation has a second size larger than the first
and maintains the first spatial orientation of the image. The display
of the icons is resumed excluding the desired icon , with a second
representation of the desired icon , having a third size smaller
than the second and larger than the first replacing the first
representation of the icon , on the display...

...Title Terms: SIZE ;

14/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010742695 **Image available**
WPI Acc No: 1996-239650/199624
XRPX Acc No: N96-200546

**Critical symbol reading system for e.g bar-code scanning - has amplifier
with number of selectable gain levels to provide second signal corresp
to size of first signal increased by selected amplifier gain level**

Patent Assignee: PSC INC (PSCP-N)
Inventor: COLEMAN E P
Number of Countries: 064 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
-----------	------	------	-------------	------	------	------

WO 9613794	A1	19960509	WO 95US12447	A	19951011	199624	B
AU 9538584	A	19960523	AU 9538584	A	19951011	199635	
US 5612529	A	19970318	US 94332015	A	19941031	199717	
US 5677523	A	19971014	US 94332015	A	19941031	199747	
			US 96643589	A	19960506		

Priority Applications (No Type Date): US 94332015 A 19941031; US 96643589 A 19960506

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

WO 9613794	A1	E	39	G06K-007/10	
------------	----	---	----	-------------	--

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ UG

AU 9538584	A		G06K-007/10	Based on patent WO 9613794
------------	---	--	-------------	----------------------------

US 5612529	A	16	G06K-007/10	
------------	---	----	-------------	--

US 5677523	A	17	G06K-007/10	Cont of application US 94332015 Cont of patent US 5612529
------------	---	----	-------------	--

... has amplifier with number of selectable gain levels to provide second signal corresp to size of first signal increased by selected amplifier gain level

...Abstract (Basic): A second signal corresp. to the first signal is amplified to have a size corresponding to the size of the first...

...the selector is operated such that each scan is at a different amplification level. The second signal is utilised for providing the signals representing the symbol...

...Abstract (Equivalent): f) demodulating and decoding the first return signal to obtain a first decoded bar code symbol as a result thereof...

...g) comparing the first decoded bar code symbol obtained at the step f) with a stored version of the test bar code symbolk) receiving a second return signal based on the scanning of the test bar code symbol at the maximum...

...l) demodulating and decoding the second return signal to obtain a second decoded bar code symbol as a result thereof...

...m) comparing the second decoded bar code symbol obtained at the step l) with the stored version of the test bar code symbol...

...correctly read in the step m), then setting the receive amplification gain level to a second gain level which corresponds to a minimum allowable receive gain...

...s) demodulating and decoding the third return signal to obtain a third decoded bar code symbol as a result thereof...

...t) comparing the third decoded bar code symbol obtained at the step s) with the stored version of the test bar code symbol...amplifying said first signal at an amplification level to produce an amplified signal as a second signal...

...e) means utilizing said second signal for providing said signals

17/3,K/1 (Item 1 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
 (c) 2004 Thomson Derwent. All rts. reserv.

009755424 **Image available**
 WPI Acc No: 1994-035275/199404
 XRPX Acc No: N94-027406

**Gaming machine with computer controlling chance display zone - enables
 player to call for displays of possible increased or max. prizes offered
 for selected combinations in next play**

Patent Assignee: NOVO-INVEST CASINO DEV AG (NOVO); NOVO INVEST CASINO DEV
 AG (NOVO); NOVO INVEST CASINO DEV AG (NOVO-N); NOVOMATIC AG (NOVO-N)

Inventor: FUCHS A

Number of Countries: 041 Number of Patents: 015

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9401840	A1	19940120	WO 93AT117	A	19930709	199404 B
AU 9344125	A	19940131	AU 9344125	A	19930709	199422
NO 9500064	A	19950228	WO 93AT117	A	19930709	199518
			NO 9564	A	19950106	
EP 648361	A1	19950419	EP 93914545	A	19930709	199520
			WO 93AT117	A	19930709	
CZ 9500018	A3	19950517	CZ 9518	A	19930709	199528
SK 9500010	A3	19950711	WO 93AT117	A	19930709	199537
			SK 9510	A	19930709	
EP 648361	B1	19960117	EP 93914545	A	19930709	199608
			WO 93AT117	A	19930709	
DE 59301483	G	19960229	DE 501483	A	19930709	199614
			EP 93914545	A	19930709	
			WO 93AT117	A	19930709	
AT 9201410	A	19970515	AT 921410	A	19920709	199725
US 5630753	A	19970520	WO 93AT117	A	19930709	199726
			US 95367146	A	19950109	
AU 685748	B	19980129	AU 9344125	A	19930709	199812
NO 307535	B1	20000417	WO 93AT117	A	19930709	200026
			NO 9564	A	19950106	
CZ 286769	B6	20000712	WO 93AT117	A	19930709	200040
			CZ 9518	A	19930709	
US 6126541	A	20001003	US 95367146	A	19950109	200050
			US 96766621	A	19961213	
SK 281190	B6	20010118	WO 93AT117	A	19930709	200108
			SK 9510	A	19930709	

Priority Applications (No Type Date): AT 921410 A 19920709

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9401840 A1 G 28 G07F-017/34

Designated States (National): AT AU BB BG BR CA CH CZ DE DK ES FI GB HU
 JP KR LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
 OA PT SE

AU 9344125 A G07F-017/34 Based on patent WO 9401840

NO 9500064 A G07F-017/34

EP 648361 A1 G 1 G07F-017/34 Based on patent WO 9401840

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
 NL PT SE

CZ 9500018 A3 G07F-017/34

SK 9500010 A3 G07F-017/34

EP 648361 B1 G 17 G07F-017/34 Based on patent WO 9401840

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
NL PT SE

DE 59301483	G	G07F-017/34	Based on patent EP 648361 Based on patent WO 9401840
AT 9201410	A	G07F-017/34	
US 5630753	A	9 A63F-009/24	Based on patent WO 9401840
AU 685748	B	G07F-017/34	Previous Publ. patent AU 9344125 Based on patent WO 9401840
NO 307535	B1	G07F-017/34	Previous Publ. patent NO 9500064
CZ 286769	B6	G07F-017/34	Previous Publ. patent CZ 9500018 Based on patent WO 9401840
US 6126541	A	G07F-017/34	Cont of application US 95367146 Cont of patent US 5630753
SK 281190	B6	G07F-017/34	Previous Publ. patent SK 9500010

...Abstract (Basic): winning combinations which are available for the next play or could be achieved therein on **removal** of one or more symbols or combinations...

...The **percentage** probability of a **displayed** combination is shown in a separate field (20) and the prizes associated with these combinations
...

...Abstract (Equivalent): game symbols taken from the large number of predetermined or still available game symbols to **replace** the non-selected or non-stored game symbols, and in this next game or section...

...Abstract (Equivalent): c) a second display for displaying a game-specific combination of gaming **symbols** selected from the **first** display by pressing one of the plurality of selecting devices associated to each of the...

...price value display for displaying a price value of the game-specific combination of gaming **symbols** selected in the **second** display, and further including...

...a probability display for indicating winning chances of the game-specific combination of gaming **symbols** displayed in the **second** display...

?

20/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010262389 **Image available**
WPI Acc No: 1995-163644/199522
XRPX Acc No: N95-128336

Computerised visual display user interaction method - involves using
normal scroll bars on computer based window style displays that add
opposing arrows when one arrow selected

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)

Inventor: LI S

Number of Countries: 005 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 651316	A1	19950503	EP 94307934	A	19941027	199522 B
JP 7182135	A	19950721	JP 94245844	A	19941012	199538
US 5686937	A	19971111	US 93143606	A	19931101	199751
			US 95413973	A	19950329	

Priority Applications (No Type Date): US 93143606 A 19931101; US 95413973 A
19950329

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 651316	A1	E	16	G06F-003/033	
-----------	----	---	----	--------------	--

Designated States (Regional): DE FR GB

JP 7182135	A	16	G06F-003/14	
------------	---	----	-------------	--

US 5686937	A	15	G09G-005/34	Cont of application US 93143606
------------	---	----	-------------	---------------------------------

...Abstract (Basic): icon, it is detected when the first and second
functions will not be activated. The **second icon** is automatically
removed from the display in response to the detection...

...Abstract (Equivalent): automatically **removing** said **second icon**
from said display in response to said detecting...

...International Patent Class (Main): **G09G-005/34**

?

26/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015332644 **Image available**

WPI Acc No: 2003-393580/200337

Related WPI Acc No: 2003-267392; 2003-393583; 2003-401485; 2003-416632

XRPX Acc No: N03-314446

Method of presenting information to a computer user for use in Internet
advertising, uses a content area that produces a second content area
that closes after a preset period

Patent Assignee: GATOR CORP (GATO-N); CLARIA CORP (CLAR-N); MARTIN A G
(MART-I)

Inventor: CHAMBERS D L; MCKINLAY E; WEISMAN M T; WESLEY C W; ZELDIN C;
MARTIN A G; VETESKA E

Number of Countries: 102 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200334256	A1	20030424	WO 2002US33056	A	20021016	200337 B
US 20030145060	A1	20030731	US 200261107	A	20020125	200354
EP 1442379	A1	20040804	EP 2002778589	A	20021016	200451
			WO 2002US33056	A	20021016	
EP 1442380	A1	20040804	EP 2002778591	A	20021016	200451
			WO 2002US33119	A	20021016	
AU 2002335839	A1	20030428	AU 2002335839	A	20021016	200461
AU 2002337883	A1	20030428	AU 2002337883	A	20021016	200461
AU 2002340241	A1	20030428	AU 2002340241	A	20021016	200461
AU 2002340243	A1	20030428	AU 2002340243	A	20021016	200461
KR 2004063113	A	20040712	KR 2004702491	A	20040220	200472

Priority Applications (No Type Date): US 200261107 A 20020125; US
2001347921 P 20011018; US 200257413 A 20020125; US 200256956 A 20020125;
US 200256932 A 20020125

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200334256 A1 E 36 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 20030145060 A1 G06F-015/16

EP 1442379 A1 E G06F-015/16 Based on patent WO 200334256

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

EP 1442380 A1 E G06F-015/16 Based on patent WO 200334257

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002335839 A1 G06F-015/177 Based on patent WO 200334264

AU 2002337883 A1 G06F-015/16 Based on patent WO 200334258

AU 2002340241 A1 G06F-015/16 Based on patent WO 200334256

AU 2002340243 A1 G06F-015/16 Based on patent WO 200334257

KR 2004063113 A G06F-017/00

Method of presenting information to a computer user for use in Internet
advertising, uses a content area that produces a second content area
that closes after a preset period

Abstract (Basic):

... of this message is displayed within a content area (401) of the display monitor. A **second** portion of the message is then displayed in an adjacent, **larger** content area (400), which is closed after a preset time.

... An INDEPENDENT CLAIM is included for a **graphical** user interface .

...
...The **size** of the advertisement is reduced, making it less annoying to a **computer** user...

...The figure shown is a representation of a **computer** system employing the information presentation method

...Title Terms: **COMPUTER** ;

...International Patent Class (Additional): **G09G-005/00**

26/3,K/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

011360759 **Image available**

WPI Acc No: 1997-338666/199731

XRPX Acc No: N97-280899

Image display control technique of e.g. character, pattern, symbol for scanning mode display of e.g. personal computer , video game machine - by simultaneously reading character image data and horizontal and vertical positions of applicable character from image data memory and from horizontal and vertical counters, respectively

Patent Assignee: RICOH KK (RICO)

Inventor: IWASAKI K

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9138683	A	19970527	JP 95294074	A	19951113	199731 B
US 5870074	A	19990209	US 96747886	A	19961113	199913
JP 3578533	B2	20041020	JP 95294074	A	19951113	200469

Priority Applications (No Type Date): JP 95294074 A 19951113

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

JP 9138683	A	12	G09G-005/36	
------------	---	----	-------------	--

US 5870074	A		G09G-005/22	
------------	---	--	-------------	--

JP 3578533	B2	17	G09G-005/38	Previous Publ. patent JP 9138683
------------	----	----	-------------	----------------------------------

Image display control technique of e.g. character, pattern, symbol for scanning mode display of e.g. personal computer , video game machine...

...Abstract (Basic): involves storing the attributes, e.g. minimum character name, the horizontal and the vertical character **size** , the horizontal and vertical display coordinates of each character in a character table (4). The...

...A first write-in controller (5) writes the standard **size** attribute, which is the **size** for the applicable character as judged based on the character attributes, in a hit buffer (6). An address is formed based on the standard **size** attribute. The character image data are stored in a memory (8). A **second** write-in controller (7) writes the

character image data in a line buffer (9). The...

...ADVANTAGE - Enables efficient integration of various characters of different sizes in single display. Increases number of characters being displayed. Obtains superior display effect by inversion processing, offset processing of...

...Title Terms: SYMBOL ;

International Patent Class (Main): G09G-005/22 ...

... G09G-005/36 ...

... G09G-005/38

International Patent Class (Additional): G09G-005/18 ...

... G09G-005/26 ...

... G09G-005/30 ...

... G09G-005/32

26/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010315966 **Image available**

WPI Acc No: 1995-217224/199529

XRFX Acc No: N95-170188

Graphics computer - has frame buffer and main memory formed into single unit to process graphics data in CPU

Patent Assignee: HITACHI LTD (HITA); HITACHI SEISAKUSHO KK (HITA)

Inventor: NANRI K; OBA E; WATANABE M; KATSURA K; MINAMI R; OHBA M; WATABE M

Number of Countries: 009 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 658858	A2	19950621	EP 94309123	A	19941207	199529 B
JP 7225849	A	19950822	JP 94147856	A	19940629	199542
JP 8050573	A	19960220	JP 94182679	A	19940804	199617
JP 8076733	A	19960322	JP 94210922	A	19940905	199622
TW 276317	A	19960521	TW 94110149	A	19941103	199636
EP 658858	A3	19960724	EP 94309123	A	19941207	199639
CN 1119307	A	19960327	CN 94119595	A	19941217	199744
US 5771047	A	19980623	US 94355517	A	19941214	199832
EP 658858	B1	20020313	EP 94309123	A	19941207	200219
KR 368198	B	20030329	KR 9434148	A	19941214	200353
US 6677950	B1	20040113	US 94355517	A	19941214	200405
			US 97996151	A	19971222	

Priority Applications (No Type Date): JP 94210922 A 19940905; JP 93318651 A 19931217; JP 94147856 A 19940629; JP 94182679 A 19940804

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 658858 A2 E 68 G06T-011/20

Designated States (Regional): DE FR GB IT

JP 7225849 A 71 G06T-011/20

JP 8050573 A 7 G06F-015/78

JP 8076733 A 28 G09G-005/00

TW 276317 A G06F-015/62

EP 658858	A3	G06T-011/20	
CN 1119307	A	G06F-017/00	
US 5771047	A	G06T-011/00	
EP 658858	B1 E	G06T-011/20	
Designated States (Regional): GB			
KR 368198	B	G06T-001/00	Previous Publ. patent KR 95020279
US 6677950	B1	G06T-015/00	Cont of application US 94355517
			Cont of patent US 5771047

Graphics computer -

...Abstract (Basic): connected to the CPU and is used to specify the destination of the data. A **second** address bus is connected to memory units used to store the data. Registers are used...

...address converter converts addresses from the first address bus and outputs the addresses to the **second** bus...

...data e.g characters and graphic elements by expanding and reducing binary data of characters, **symbols** etc. **Increased** speed of access to frame buffer and therefore reduction in drawing time. Reduced **size** of graphics **computer** hardware...

...Title Terms: **COMPUTER** ;

...International Patent Class (Main): **G09G-005/00**

...International Patent Class (Additional): **G09G-005/20** ...

... **G09G-005/36**

?

33/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010915302 **Image available**
WPI Acc No: 1996-412253/199641
XRPX Acc No: N96-347039

**Communication device operating using hand held control device - by
automatically positioning at least first icon when communication device
in first geographic operating locale with that icon corresp to at least
one selectable function**

Patent Assignee: MOTOROLA INC (MOTI)

Inventor: LENCHIK V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5552806	A	19960903	US 94235756	A	19940429	199641 B

Priority Applications (No Type Date): US 94235756 A 19940429

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5552806	A	8	G09G-005/00	

... **by automatically positioning at least first icon when communication
device in first geographic operating locale with that icon corresp to
at least one selectable function**

...Abstract (Basic): communications device is in a first geographic
operating locale, automatically positioning at least a first icon on
the display. When the communications device is in a second geographic
operating locale, automatically positioning at least a **second icon**
on the display. The second geographic operating locale is distinct from
the first geographic operating locale and the at least one selectable
function corresponds to the at least a first icon is distinct from
the least one selectable function corresp to the at least a **second
icon** .

...

...On selection of an icon by a user of the communications device, it
requires performing a selectable function corresp to the selected icon
. A historical record of selectable functions that have been selected
by a user is maintain...

...USE/ADVANTAGE - For positioning selectable function icons on display,
partic for controlling TV set, VCR, or CD player using single remote
control unit. Allows to integrate large number of tasks within single
portable device and easy navigation within tasks

International Patent Class (Main): G09G-005/00

33/3,K/2 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010367628 **Image available**
WPI Acc No: 1995-268990/199535
Related WPI Acc No: 2000-105116
XRPX Acc No: N95-206799

Graphic user interface user selectable icons displaying - identifying

**object hit by cursor, then after identification corresp hint-description
is displayed in status frame or in static frame**

Patent Assignee: BORLAND INT INC (BORL-N)

Inventor: GAYRAUD C E; GEE P A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5436637	A	19950725	US 9326720	A	19930305	199535 B

Priority Applications (No Type Date): US 9326720 A 19930305

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5436637	A	30	G09G-005/14	

Graphic user interface user selectable icons displaying...

...Abstract (Basic): screen location of interest, then if the screen cursor touches one of the pictorial graphical **icons** , displaying at a display location substantially along one side of the screen device a message describing the pictorial graphical **icon** .

...

...of interest. Next if the screen cursor touches a second one of the pictorial graphical **icons** , displaying a **second** message describing the **second** pictorial graphical **icon** at the display location. Independently of previous steps refreshing the information provided to the user about pictorial graphical **icons** by periodically testing whether the screen cursor still is positioned at a pictorial graphical **icon** whose derivative message is being displayed...

...USE/ADVANTAGE - For assisting user of **computer** system. Requires little or no knowledge of specific command by user and does not invade

International Patent Class (Main): **G09G-005/14**

International Patent Class (Additional): **G09G-005/40**

33/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

010035560 **Image available**

WPI Acc No: 1994-303273/199437

XRPX Acc No: N94-238295

Navigation palette producer for selecting slides in multi-media slide presentation - includes palette having sections with caption text, graphical symbols representing function buttons for operating on slides and symbols representing selection controls

Patent Assignee: ASYMETRIX CORP (ASYM-N); ALLEN P G (ALLE-I); WHITTEN A T (WHIT-I)

Inventor: ALLEN P G; WHITTEN A T

Number of Countries: 047 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9420948	A1	19940915	WO 94US2596	A	19940311	199437 B
AU 9464020	A	19940926	AU 9464020	A	19940311	199503
US 5469192	A	19951121	US 9331006	A	19930312	199601

Priority Applications (No Type Date): US 9331006 A 19930312

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9420948 A1 E 17 G09G-001/16

Designated States (National): AT AU BB BG BR BY CA CH CN CZ DE DK ES FI
GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ
VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
OA PT SE

AU 9464020 A G09G-001/16 Based on patent WO 9420948

US 5469192 A 9 G09G-003/02

... includes palette having sections with caption text, graphical symbols
representing function buttons for operating on slides and symbols
representing selection controls

...Abstract (Basic): The navigation palette producer includes a programmed
computer which produces and displays slides in a selectable sequence.
A selector picks individual slides. A...

...palette on one of the slides. The palette includes one section with
caption text, a **second** section with graphical **symbols** representing
function buttons, and a third section with graphical **symbols**
representing controls for selecting slides...

...An input device such as a track ball or mouse provides select **symbols**
to the **computer**. The first set of **symbols** perform functions
associated with presenting the slides. The **second symbols** are used
for navigation through the group of slides...

...Abstract (Equivalent): for using a navigation palette for creating and
editing a multimedia slide presentation on a **computer** system, said
computer system including a programmed **computer**, an input device
coupled to said **computer** and selected from the group consisting of
trackball and mouse, and a display device coupled with said **computer**,
the method forming a programmed user interface and comprising the steps
of...

...b) reading resource data from said **computer**, said resource data for
defining portions of said navigation palette...

...c) creating graphical control **symbols** as specified in said resource
data...

...d) adjusting the size of said navigation palette as required to include
said graphical control **symbols** in said navigation palette, and...

...Title Terms: **SYMBOL** ;

International Patent Class (Main): G09G-001/16 ...

... G09G-003/02

33/3,K/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009549224 **Image available**

WPI Acc No: 1993-242774/199330

XRPX Acc No: N93-186823

Pull-down menu display method for computer graphic interface -
retaining display of menu after menu item selected until user changes

position of switch and unrelated tasks are performed

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: COX N; HOEBER A; MANDLER A

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5230063	A	19930720	US 89323774	A	19890315	199330 B
			US 90619665	A	19901128	
CA 1326562	C	19940125	CA 613985	A	19890928	199409

Priority Applications (No Type Date): US 89323774 A 19890315; US 90619665 A 19901128

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5230063	A	15	G06F-003/00	Cont of application US 89323774
CA 1326562	C		G06F-003/033	

Pull-down menu display method for computer graphic interface...

...Abstract (Basic): is maintained in the first position until the cursor is over a portion of an **icon** . The **icon** provides a **second** signal to the CPU. The second signal generates and displays the first **icon** on the display. The switch is now placed in a second position and the menu...

...Title Terms: **COMPUTER** ;

International Patent Class (Additional): **G09G-001/00**

33/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

008019349 **Image available**

WPI Acc No: 1989-284461/198939

XRPX Acc No: N89-217065

Complex information display gp. appts. - has output of delay unit

connected to input of buffer and second input of control signals shaper

Patent Assignee: KOROLEV A V (KORO-I)

Inventor: KOZLOV A L; SOROKA L S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1446642	A	19881223	SU 4112739	A	19860827	198939 B

Priority Applications (No Type Date): SU 4112739 A 19860827

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 1446642	A	15		

...Abstract (Basic): The display appts. now incorporates **second symbol** generator (10), delay unit (3), control signal shaper (2), read-out pulse signal shaper (4...

...The **symbol** generators (9,10) form excitation function and on this base the deflection voltages. The **symbols** formed by the generator (10) are displayed with larger thickness over longer time period, than...

...USE/ADVANTAGE - In automation and **computer** engineering, partic. for designing group display complexes. Increased fidelity of displayed data. Bul.47/23...

International Patent Class (Additional): G09G-001/08

33/3,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

007833750 **Image available**
WPI Acc No: 1989-098862/198913
XRPX Acc No: N89-075256

Gas discharge indicator matrix display appts. - has AND-gates with
outputs connected to corresp. control input of X-coordinate switches

Patent Assignee: KALITURIN V N (KALI-I)
Inventor: KALITURIN V N
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1425772	A	19880923	SU 4197982	A	19870220	198913 B

Priority Applications (No Type Date): SU 4197982 A 19870220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1425772	A		4		

...Abstract (Basic): The indicator, including memory unit (1), first
symbol generator (2), clock pulse generator (7), counters (8,9),
decoder (4), X and Y coordinates switches units (3,5) and gas discharge
indicator board (6), now incorporates second symbol generator (10),
comparator (11), flip-flop (12), shift register (13) demultiplexer (15)
and AND-gates...

...USE/ADVANTAGE - In automation and computer engineering, pref. for data
displaying on gas discharge indicator panels. Increased quality of data
displaying...

International Patent Class (Additional): G09G-003/28

33/3,K/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

007811942
WPI Acc No: 1989-077054/198910
XRPX Acc No: N89-058776

Creating and modifying symbol string for computer system - using
two-part cursor for indicating loci of operation, and using internal
memory management

Patent Assignee: INFORMATION APPL IN (INFO-N)
Inventor: CURRY R; RASKIN J; WINTER J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4806916	A	19890221	US 86937157	A	19861202	198910 B

Priority Applications (No Type Date): US 86937157 A 19861202; US 86902339 A
19860829

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes

Creating and modifying symbol string for computer system...

...Abstract (Basic): A string of **symbols** is created and modified in response to signals from the entry device by displaying on the display device a string of **symbols** , and displaying on the display device a cursor, the cursor occupying a display region and...

...first part of the display region. The first part of the display region includes a **symbol** in the string of **symbols** .

...

...type from the entry device, the first type of signals includes signals representing an entered **symbol** . The entered **symbol** is inserted into the string of **symbols** at the **second** part of the display region. In response to signals of a second type from the...

...of signals designating a deletion operation, the designated deletion operation is performed by deleting the **symbol** included in the first part of the display region

...Title Terms: **SYMBOL** ;

...International Patent Class (Additional): **G09G-003/02**

33/3,K/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

007643253 **Image available**

WPI Acc No: 1988-277185/198839

XRPX Acc No: N88-210468

Data processing parameters indicator - has multiplexer with output connected to control input of symbol memory

Patent Assignee: RUDENKO G A (RUDE-I)

Inventor: NOSOVA E M; RYABKO V I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1381586	A	19880315	SU 4056064	A	19860417	198839 B

Priority Applications (No Type Date): SU 4056064 A 19860417

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1381586	A		3		

... **has multiplexer with output connected to control input of symbol memory**

...Abstract (Basic): 2), whose LSB's outputs are connected to the first address inputs gp. of the **symbol** memory (8), the **second** address inputs gp. is connected to the data output of the multiplexer (7...

...USE/ADVANTAGE - In **computer** engineering pref. for digital indicator of parameters used in data control and processing equipment. Provision...

...Title Terms: **SYMBOL** ;

International Patent Class (Additional): **G09G-003/20**

33/3,K/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

007585333 **Image available**
WPI Acc No: 1988-219265/198831
XRPX Acc No: N88-167156

CRT screen data display - has outputs of reversible counter connected to data inputs of second point counters

Patent Assignee: KHARKOV RADIO ELECTR INS (KHRA)
Inventor: OVSYANNIKO Y U S; SOTNIKOV O M; ZOZULYA I V
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1367036	A	19880115	SU 3972467	A	19851104	198831 B

Priority Applications (No Type Date): SU 3972467 A 19851104
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1367036	A		5		

...Abstract (Basic): second points counter (18), multiplexer (11) and register (10), whose input is connected to the **symbol** extraction code flag bit output of the operational memory (1) and the output is connected...

...USE/ADVANTAGE - In automation TV and **computer** engineering, pref. for **symbol** data output on screen of CRT indicators. Extraction of **symbol** components with **subsequent** their displacement in horizontal direction is now possible. Bul.2/15.1.88.

International Patent Class (Additional): **G09G-001/16**

33/3,K/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

007020857
WPI Acc No: 1987-020854/198703
XRPX Acc No: N87-015711

TV screen indicator for displaying graphical data - has symbol pixels in line counter with third output connected to first summator

Patent Assignee: SHMATKOV V D (SHMA-I)
Inventor: BULANTSEV A V; TSIPLAKOV V N
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1234871	A	19860530	SU 3722246	A	19840403	198703 B

Priority Applications (No Type Date): SU 3722246 A 19840403
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1234871	A		5		

... has symbol pixels in line counter with third output connected to first summator

...Abstract (Basic): 7), whose first, second and third inputs are connected

correspondingly to the outputs of the **second** summator (6) **symbol** generator (5) and the **second** output **symbol** pixels in line number (PIL) counter (10) whose third output is connected to the first...

...Data related **symbols** to be displayed on the screen of the indicator (8) are applied to the data...

...consists of separate digital words each containing character position number, within limits of which a **symbol** image is formed, **symbol** code and a displacement along X and Y axes...

...USE - In automation and **computer** engineering as display using TV method of image forming in automated control and design systems...

...Title Terms: **SYMBOL** ;

International Patent Class (Additional): **G09G-001/16**

33/3,K/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

004794350

WPI Acc No: 1986-297691/198645

XRPX Acc No: N86-222372

Digital data display - uses n-th pulse from pulse distributor to clear and repeat entire data imaging stage

Patent Assignee: INFO PRESENT MEANS (INFO-R)

Inventor: DIMITRIENK A T; TETKIN V N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1223281	A	19860407	SU 3801605	A	19841015	198645 B

Priority Applications (No Type Date): SU 3801605 A 19841015

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1223281	A		3		

...Abstract (Basic): The digital data display comprises pulse generator (1), pulse distributor (2), memory unit (3), first (**symbols**) decoder (4), **second** (point and sign) decoder (5), indicators (6), first register (7), second (sign and point) register...

...USE/ADVANTAGE - In automation and **computer** engineering for digital data output and display. Simplifies design. Bul.13/7.4.86. (3pp...

International Patent Class (Additional): **G09G-003/04**

33/3,K/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

004066508

WPI Acc No: 1984-212049/198434

XRPX Acc No: N84-158708

VDU for computer data display - has auxiliary counters and OR-gates for increased speed in line write and display modes

Patent Assignee: AS UZB KIBERNETIKA (AUZK-R)

Inventor: KHAIDAROV A D; KOROLEV M I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1062766	A	19831223	SU 3256921	A	19810306	198434 B

Priority Applications (No Type Date): SU 3256921 A 19810306

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 1062766	A	5		

VDU for computer data display...

...Abstract (Basic): a line counter (2) in a first address counter (1) and to line (5) and **symbol** (6) counters in a second address counter (4...

...counters are fed by a first group of OR-gates (7) and those of the **symbol** counters through a **second** group of OR-gates (8) to the memory. The memory output signals are fed to...

...Title Terms: **COMPUTER** ;

International Patent Class (Additional): **G09G-001/16**

33/3,K/13 (Item 13 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

02383770 **Image available**

MULTI-WINDOW CONTROL METHOD

PUB. NO.: 63-000670 [JP 63000670 A]

PUBLISHED: January 05, 1988 (19880105)

INVENTOR(s): NOGUCHI YASUHIRO

KUWANA TOSHIYUKI

FUNIYU YUKIO

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 61-129298 [JP 86129298]

FILED: June 05, 1986 (19860605)

JOURNAL: Section: P, Section No. 713, Vol. 12, No. 194, Pg. 139, June 07, 1988 (19880607)

INTL CLASS: G06F-015/62; G06F-003/14; **G09G-001/02 ; G09G-001/16**

...JAPIO CLASS: **Computer** Applications); 44.9 (COMMUNICATION

ABSTRACT

... rectangular information in window rectangular information 81b, 81c is related to the first and the **second icon** window. In this regard, the **icon** window signifies, for instance, windows 2-1, 2-2 having a display priority, which are...

...a case, the contents of the windows 4-1, 4-2 are displayed on the **icon** windows 2-1, 2-2.

?

File 348:EUROPEAN PATENTS 1978-2004/Dec W02

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20041216,UT=20041209

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	196574	WIDGET?? OR ICON?? OR SYMBOL? OR HYPERACTIVE(3N)LINK? OR M- ETATHING OR META()THING OR GUI OR GRAPHICAL?(3N)INTERFACE?
S2	196953	(S1 OR TEXT()FIELD)
S3	29296	USER() (INPUT OR CONTROL? OR INTERACT?)
S4	8042	S1(3N) (FIRST OR INITIAL)
S5	6500	S1(3N) (SECOND OR SUBSEQUENT)
S6	1760	S1(3N)THIRD
S7	3727	SIZE?(5N)SECOND(5N) (LARGER? OR BIGGER OR ENLARG? OR INCREA- S? OR RESIZ?)
S8	60	(REMOV? OR REPLAC? OR HIDE OR HID OR HIDING OR TRANSPAREN?-) (3N)S5
S9	1218	PERCENT?(3N)DISPLAY??
S10	27	AU=(AMRO, H? OR DODSON, J? OR AMRO H? OR DODSON J?)
S11	0	(INSERT? OR REPLAC?) (3N)USER() INPUT(5N)S5
S12	11016	IC=G09G?
S13	460	S4(10N)S5(10N)S6
S14	1	S13(10N)S7
S15	0	S8(10N)S3
S16	0	S8(10N)S9
S17	0	S12 AND S8
S18	8	S10 AND S1
S19	8	S18 NOT S14
S20	8	IDPAT (sorted in duplicate/non-duplicate order)
S21	8	IDPAT (primary/non-duplicate records only)
S22	333531	COMPUTER? OR LAPTOP
S23	41912	PDA OR PERSONAL()DIGITAL()ASSISTANT? OR (POCKET OR PORTABLE OR PALM()TOP OR PALMTOP OR HAND()HELD OR HANDHELD) () (COMPUTE- R? OR DEVICE?) OR PALM(2N)PILOT
S24	19	S9(10N) (S22 OR S23)
S25	0	S24(10N)S1
S26	0	S24(15N) (LARGER? OR BIGGER OR ENLARG? OR INCREAS? OR RESIZ- ?)
S27	9	S24 AND S1
S28	9	S27 NOT (S21 OR S14)
S29	9	IDPAT (sorted in duplicate/non-duplicate order)
S30	9	IDPAT (primary/non-duplicate records only)
S31	3	S30 NOT PY=>2000

14/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01713227

Information display apparatus and method
Verfahren und Vorrichtung zur Anzeige von Informationen
Procede et appareil d'affichage d'information

PATENT ASSIGNEE:

FUJI JUKOGYO KABUSHIKI KAISHA, (216490), 7-2 Nishishinjuku 1-chome
Shinjuku-ku, Tokyo, (JP), (Applicant designated States: all)

INVENTOR:

IKEDA, Atsushi c/o Fuji Jukogyo K.K., 7-2 Nishishinjuku 1-chome,
Shinjuku-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

VOSSIUS & PARTNER (100314), Siebertstrasse 4, 81675 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1403835 A1 040331 (Basic)
APPLICATION (CC, No, Date): EP 2003021189 030924;
PRIORITY (CC, No, Date): JP 2002277706 020924
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: G08G-001/0962; G08G-001/0967; G09B-029/00
ABSTRACT WORD COUNT: 141
NOTE:

Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200414	1234
SPEC A	(English)	200414	7378
Total word count - document A			8612
Total word count - document B			0
Total word count - documents A + B			8612

...CLAIMS events existing in the service section, each symbol corresponding to each the event; and

- a **third** step of displaying **symbols** corresponding to the display timing as **second** display object **symbol** having a display **size larger** than that of the **first** display object **symbol** in the **second** display area, when the vehicle reaches to a position corresponding to the calculated display timing...

?

21/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01289056

Remote control of appliance using a portable digital device
Fernsteuerung einer Vorrichtung unter Verwendung eines tragbaren digitalen
Gerates

Telecommande d'un appareil avec un appareil portable numerique

PATENT ASSIGNEE:

International Business Machines Corporation, (200128), New Orchard Road,
Armonk, NY 10504, (US), (Applicant designated States: all)

INVENTOR:

Amro, Hatim Yousef, IBM United Kingdom Ltd. I.P.L , Hursley Park,
Winchester, Hampshire SO21 2JN, (GB)

Dodson, John Paul, IBM United Kingdom Ltd. I.P.L , Hursley Park,
Winchester, Hampshire SO21 2JN, (GB)

Kraft, George, IBM United Kingdom Ltd. I.P.L, Hursley Park, Winchester,
Hampshire SO21 2JN, (GB)

Taylor, Kurt Russel, United Kingdom Ltd. I.P.L, Hursley Park, Winchester,
Hampshire SO21 2JN, (GB)

LEGAL REPRESENTATIVE:

Litherland, David Peter (75471), IBM United Kingdom Limited Intellectual
Property Department Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 1107209 A1 010613 (Basic)

APPLICATION (CC, No, Date): EP 2000301542 000228;

PRIORITY (CC, No, Date): US 282629 990331

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G08C-019/28

ABSTRACT WORD COUNT: 204

NOTE:

Figure number on first page: 8

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200124	574
SPEC A	(English)	200124	3821
Total word count - document A			4395
Total word count - document B			0
Total word count - documents A + B			4395

INVENTOR:

Amro, Hatim Yousef, IBM United Kingdom Ltd. I.P.L ...
...GB)

Dodson, John Paul, IBM United Kingdom Ltd. I.P.L ...

...SPECIFICATION embodiment of a method in accordance with the present
invention for providing the appliance's **graphical user interface**
through the portable digital device; and

Figure 9 depicts one embodiment of a method in...touch screen which
allows the user to control the portable digital device 110 through a
graphical user interface . The appliance 120 includes a wireless
communication port 122, a processor 124, a display 126...

...interface 270 is a JAVA BEANS interface. The configuration object 290 is

for providing a **graphical interface** on the display 126. Thus, the configuration object 290 describes the functions and appearance of the **graphical interface**. For example, the configuration object 290 may ...chart depicting one embodiment of a method 350 for controlling the appliance 120 using a **graphical user interface** displayed on the portable digital device 110. The portable digital device 110 queries the appliance...

...ports 112 and 122, via step 356. The configuration object 290 includes information describing the **graphical interface**, such as a control panel, on the display 126 of the appliance 120. The portable digital device 110 can then mimic the **graphical interface** of the appliance 120 on the display 116 of the portable digital device 110, via step 358. The user is then allowed to control the appliance 120 through the **graphical user interface** displayed on the display 116 of the portable digital device 110. The user can also...

...CLAIMS query are the same.

4. The portable digital device of claim 1 further comprising:

a **graphical user interface** for allowing a user to control and review a status of the appliance.

5. The...

...of claim 4 wherein the appliance further includes a configuration object for providing a second **graphical user interface** for the appliance; and wherein the portable digital device receives the configuration object from the...

...and the second wireless communication port, allowing the portable digital device to mimic the second **graphical user interface** on the **graphical user interface** of the portable digital device.

6. A system for remotely controlling an appliance including a...

21/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01062989

Cache coherency protocol having hovering (H) and recent (R) states

Cache-Speicherkohärenzprotokoll mit Schweben- (H) und vorigen (R) Zuständen

Protocole de coherence d'antememoire avec etats en suspens (H) et recents (R)

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY 10504, (US), (Proprietor designated states: all)

INVENTOR:

Arimilli, Ravi Kumar, 9221 Spicebrush Drive, Austin, Texas 78759, (US)

Dodson, John Steven , 1205 Bell Rock Circle, Pflugerville, Texas 78660, (US)

Lewis, Jerry Don, 3409 Arrowhead Circle, Round Rock, Texas 78681, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
Intellectual Property Department Hursley Park, Winchester Hampshire
SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 936558 A2 990818 (Basic)
EP 936558 A3 991215

EP 936558 B1 030903
APPLICATION (CC, No, Date): EP 99301068 990215;
PRIORITY (CC, No, Date): US 24609 980217
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-012/08
ABSTRACT WORD COUNT: 207
NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199933	971
CLAIMS B	(English)	200336	1110
CLAIMS B	(German)	200336	1069
CLAIMS B	(French)	200336	1286
SPEC A	(English)	199933	5093
SPEC B	(English)	200336	5198
Total word count - document A			6066
Total word count - document B			8663
Total word count - documents A + B			14729

INVENTOR:

... US)

Dodson, John Steven ...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices, such as a display device, keyboard, and **graphical** pointer, which are **interfaced** to interconnect 16 via conventional adapters. Non-volatile storage 22 stores an operating system and...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices, such as a display device, keyboard, and **graphical** pointer, which are **interfaced** to interconnect 16 via conventional adapters. Non-volatile storage 22 stores an operating system and...

21/3,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01062988

Cache coherency protocol for a data processing system including a multilevel memory hierarchy

Cache-Speicherkoharenzprotokoll fur ein Datenverarbeitungssystem mit mehrstufiger Speicherhierarchie

Protocole de coherence d'antememoire pour un systeme de traitement de donnees comprenant une hierarchie de memoire a niveaux multiples

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Proprietor designated states: all)

INVENTOR:

Arimilli, Ravi Kumar, 9221 Spicebrush Drive, Austin, Texas 78759, (US)

Dodson, John Steven, 1205 Bell Rock Circle, Pflugerville, Texas 78660, (US)

Lewis, Jerry Don, 3409 Arrowhead Circle, Round Rock, Texas 78681, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
Intellectual Property Department Hursley Park, Winchester Hampshire
SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 936557 A2 990818 (Basic)
EP 936557 A3 000112
EP 936557 B1 030528

APPLICATION (CC, No, Date): EP 99301067 990215;

PRIORITY (CC, No, Date): US 24318 980217

DESIGNATED STATES: DE; FR; GB; IE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-012/08

ABSTRACT WORD COUNT: 205

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199933	715
CLAIMS B	(English)	200322	807
CLAIMS B	(German)	200322	786
CLAIMS B	(French)	200322	955
SPEC A	(English)	199933	8200
SPEC B	(English)	200322	8358
Total word count - document A			8917
Total word count - document B			10906
Total word count - documents A + B			19823

INVENTOR:

... US)

Dodson, John Steven ...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices, such as a display device, keyboard, and **graphical** pointer, which are **interfaced** to interconnect 16 via conventional adapters. Non-volatile storage 22 stores an operating system and...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices, such as a display device, keyboard, and **graphical** pointer, which are **interfaced** to interconnect 16 via conventional adapters. Non-volatile storage 22 stores an operating system and...

21/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01062987

Cache coherency protocol including a hovering state (HR)

Cache-Speicherkoherenzprotokoll mit einem Schwebezustand

Protocole de coherence d'antememoire avec un etat en suspens

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY
10504, (US), (Proprietor designated states: all)

INVENTOR:

Arimilli, Ravi Kumar, 9221 Spicebrush Drive, Austin, Texas 78759, (US)

Dodson, John Steven , 1205 Bell Rock Circle, Pflugerville, Texas 78660,
(US)

Lewis, Jerry Don, 3409 Arrowhead Circle, Round Rock, Texas 78681, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
Intellectual Property Department Hursley Park, Winchester Hampshire
SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 936556 A2 990818 (Basic)
EP 936556 A3 991215
EP 936556 B1 030528

APPLICATION (CC, No, Date): EP 99301066 990215;

PRIORITY (CC, No, Date): US 24611 980217

DESIGNATED STATES: DE; FR; GB; IE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-012/08

ABSTRACT WORD COUNT: 200

NOTE:

Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199933	1014
CLAIMS B	(English)	200322	1152
CLAIMS B	(German)	200322	1120
CLAIMS B	(French)	200322	1305
SPEC A	(English)	199933	7174
SPEC B	(English)	200322	7235
Total word count - document A			8190
Total word count - document B			10812
Total word count - documents A + B			19002

INVENTOR:

... US)

Dodson, John Steven ...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices, such as a display device, keyboard, and **graphical** pointer, which are **interfaced** to interconnect 16 via conventional adapters. Non-volatile storage 22 stores an operating system and...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices, such as a display device, keyboard, and **graphical** pointer, which are **interfaced** to interconnect 16 via conventional adapters. Non-volatile storage 22 stores an operating system and...

21/3,K/5 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01062980

Cache coherency protocol including a hovering (H) state having a precise mode and an imprecise mode

Cache-Speicherkohärenzprotokoll mit einem Schwebezustand (H) mit einem genauen und einem ungenauen Modus

Protocole de coherence d'antememoire avec un etat en suspens (H) ayant un mode precis et un mode imprecis

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Proprietor designated states: all)

INVENTOR:

Arimilli, Ravi Kumar, 9221 Spicebrush Drive, Ausin Texas 78759, (US)
Dodson, John Steven , 1205 Bell Rock Circle, Pflugerville Texas 78660,
(US)

Lewis, Jerry Don, 3409 Arrowhead Circle, Round Rock Texas 78681, (US
LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
Intellectual Property Department Hursley Park, Winchester Hampshire
SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 936554 A2 990818 (Basic)
EP 936554 A3 000126
EP 936554 B1 011219

APPLICATION (CC, No, Date): EP 99301056 990215;

PRIORITY (CC, No, Date): US 24612 980217

DESIGNATED STATES: DE; FR; GB; IE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-012/08

ABSTRACT WORD COUNT: 255

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199933	1233
CLAIMS B	(English)	200151	1579
CLAIMS B	(German)	200151	1548
CLAIMS B	(French)	200151	1855
SPEC A	(English)	199933	5306
SPEC B	(English)	200151	5139
Total word count - document A			6540
Total word count - document B			10121
Total word count - documents A + B			16661

INVENTOR:

... US)

Dodson, John Steven ...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices,
such as a display device, keyboard, and **graphical** pointer, which are
interfaced to interconnect 16 via conventional adapters. Non-volatile
storage 22 stores an operating system and...

...SPECIFICATION I/O devices 20 comprise conventional peripheral devices,
such as a display device, keyboard, and **graphical** pointer, which are
interfaced to interconnect 16 via conventional adapters. Non-volatile
storage 22 stores an operating system and...

21/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01029600

Method and apparatus for interacting with hardware devices remotely
Verfahren und Vorrichtung zur Ferninteraktion mit Hardware-Einrichtungen
Procede et dispositif permettant une interaction a distance avec des
dispositifs cables

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY
10504, (US), (applicant designated states:

AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
 INVENTOR:
Amro, Hatim Yousef , 15024 Wells Port, Austin, Texas 78728, (US)
Dodson, John Paul , 510 Tanner Trail, Pflugerville, Texas 78660, (US)
 LEGAL REPRESENTATIVE:
 Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
 Intellectual Property Department Hursley Park, Winchester Hampshire
 SO21 2JN, (GB)
 PATENT (CC, No, Kind, Date): EP 917052 A1 990519 (Basic)
 APPLICATION (CC, No, Date): EP 98309279 981112;
 PRIORITY (CC, No, Date): US 971737 971117
 DESIGNATED STATES: DE; FR; GB; IE
 INTERNATIONAL PATENT CLASS: G06F-009/44;
 ABSTRACT WORD COUNT: 109

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9920	194
SPEC A	(English)	9920	4791
Total word count - document A			4985
Total word count - document B			0
Total word count - documents A + B			4985

INVENTOR:
Amro, Hatim Yousef ...

...US)
Dodson, John Paul ...

...SPECIFICATION example, traveling among hypertext links to the word iron in an article displayed within a **graphical user interface** might lead the user to the periodic table of the chemical elements (e.g., linked...

...active directory or file structure that is then displayed as a viewable object within a **graphical user interface** .

When a client workstation sends a request to a server for a web page, the...

...may be larger than the physical size of the monitor screen, and devices such as **graphical user interface** scroll bars can be utilized by the viewing software (i.e., the browser) to view...and so forth. In addition to these basic text formatting tags, HTML provides tags defining **graphical user interface** components. HTML also can be used to display well known **graphical user interface** components such as radio buttons, check boxes, scrolling lists of selectable text, and various other...

21/3,K/7 (Item 7 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
 (c) 2004 European Patent Office. All rts. reserv.

00871520

Graphical user interface method, memory and apparatus for automatically resizing a window in response to a loss or gain in focus
Verfahren für graphische Benutzerschnittstelle, Speicher und Vorrichtung zur automatischen Abmessungsänderung eines Fensters in Abhängigkeit vom Verlust oder Gewinn des Focus

**Methode pour interface graphique utilisateur, memoire et dispositif de
changement automatique d'un fenetre en reponse d'une perte ou d'un gain
de l'interet de l'utilisateur**

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY
10504, (US), (Proprietor designated states: all)

INVENTOR:

Amro, Hatim Yousef , 15024 Wellsport, Austin, Texas 78728, (US)

LEGAL REPRESENTATIVE:

Waldner, Philip (84391), IBM United Kingdom Limited, Intellectual
Property Department, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 798627 A1 971001 (Basic)

EP 798627 B1 020605

APPLICATION (CC, No, Date): EP 97301510 970306;

PRIORITY (CC, No, Date): US 626751 960329

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-003/033

ABSTRACT WORD COUNT: 90

NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199709W4	554
CLAIMS B	(English)	200223	668
CLAIMS B	(German)	200223	724
CLAIMS B	(French)	200223	717
SPEC A	(English)	199709W4	2344
SPEC B	(English)	200223	2368
Total word count - document A			2899
Total word count - document B			4477
Total word count - documents A + B			7376

**Graphical user interface method, memory and apparatus for automatically
resizing a window in response to a loss or...**

INVENTOR:

Amro, Hatim Yousef ...

SPECIFICATION The present invention relates to **graphical user interfaces**
(GUIs) and operating systems of computing systems and, more
particularly, but not by way of...

...systems, such as the Windows(TM), OS/2(TM), and AIX(TM) operating
systems, utilize **graphical user interface (GUI)** desktop
environments to organize computer objects. A **GUI** allows a user to
graphically view and manipulate those objects as **icons** using a mouse or
pointer. Conventional GUIs examine the object's identifier (e.g., name),
search a resource file for the identifier, and then display an **icon**
representing the object according to the information stored in the
resource file. The resource file...

...size of the window, and the window's location on the display screen.
Typically, the **GUI** reads the resource file once per session. When the
user double-clicks over an **icon** , the **GUI** opens the object (e.g.,
starts an application), displays a window and contents therein, and
automatically transfers focus to that window. When a window receives

8. Rechnerlesbarer...

...CLAIMS phase qui consiste a :

detecter a partir des commandes utilisateur un double-clic sur une
icone affichee sur l'ecran et representant la deuxieme fenetre
ouverte.

5. Systeme informatique pour redimensionner...

...autre :

un moyen pour detecter a partir des commandes utilisateur un double-clic
sur une **icone** affichee a l'ecran et representant la deuxieme
fenetre affichee.

8. Support lisible par ordinateur...

21/3,K/8 (Item 8 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00250582
LOW-POWER AREA-EFFICIENT ABSOLUTE VALUE ARITHMETIC UNIT
UNITE DE CALCUL DE VALEURS ABSOLUES, A RENDEMENT SURFACIQUE ELEVE A FAIBLE
CONSOMMATION

Patent Applicant/Assignee:

S-MOS SYSTEMS INC,

Inventor(s):

DODSON Jeffrey M ,

CHENG Christopher T

Patent and Priority Information (Country, Number, Date):

Patent: WO 9324880 A2 19931209

Application: WO 93US4821 19930520 (PCT/WO US9304821)

Priority Application: US 92887511 19920522

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

JP

Publication Language: English

Fulltext Word Count: 5733

Inventor(s):

DODSON Jeffrey M ...

Fulltext Availability:

Detailed Description

Detailed Description

... 302.

Fig. 3C illustrates logical equations for carry-chain cell 304.

Fig. 4 illustrates a **symbol** for the present invention.

Fig. 5 illustrates a svrnbohc comparison of prior art absolute value...
absolute value arithmetic unit according to the present invention. Fig. 4
illustrates a high level **symbolic** representation of absolute value
arithmetic unit 402. Absolute value arithmetic unit 402 is comparable in
...

...of

absolute value subtractor 102 and 202 and the present invention. Fig. 5
is a **symbolic** representation of data flow. Circles in Fig. 5 are used

31/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00590140

Portable computer having dedicated register group and peripheral controller bus between system bus and peripheral controller.

Tragbarer Rechner mit zugeordneter Registergruppe und Peripheriesteuerbus zwischen Systembus und Peripheriesteuerung.

Ordinateur portable ayant un groupe de registres dedicaces et un bus par controleur peripherique entre le bus systeme et le controleur peripherique.

PATENT ASSIGNEE:

Kabushiki Kaisha Toshiba, (213137), 72, Horikawa-cho Saiwai-ku, Kawasaki-shi, (JP), (applicant designated states: DE;FR;GB)
TOSHIBA PERSONAL SYSTEM ENGINEERING CORPORATION, (1681130), 2-9, Suehiro-cho, Oome-shi, Tokyo, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Sakai, Makoto, c/o Intellectual Property Division, Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Ninomiya, Ryoji, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Nakamura, Koji, c/o Intellectual Property Division, Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Kubota, Hiroyuki, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Dewa, Koichi, c/o Intellectual Property Division, Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Tsukada, Hiroyuki, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Uehara, Keiichi, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Nishino, Yasuhiro c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Mamata, Tohru, c/o Intellectual Property Division, Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Oda, Hiroyuki, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Hori, Syuji, c/o Intellectual Property Division, Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)
Kumakawa, Masanobu, c/o Intellectual Property Div., Kabushiki Kaisha Toshiba, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, (JP)

LEGAL REPRESENTATIVE:

Henkel, Feiler, Hanzel & Partner (100401), Mohlstrasse 37, D-81675 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 588084 A2 940323 (Basic)
EP 588084 A3 950705

APPLICATION (CC, No, Date): EP 93113168 930817;

PRIORITY (CC, No, Date): JP 92248327 920917; JP 92248328 920917; JP 92248356 920917; JP 92250165 920918; JP 92255000 920924; JP 92255001 920924; JP 92255004 920924; JP 92272471 920917; JP 92272479 920917

DESIGNATED STATES: DE; FR; GB

RELATED DIVISIONAL NUMBER(S) - PN (AN):

(EP 99116638)

INTERNATIONAL PATENT CLASS: G06F-013/12; G06F-015/16; G06F-015/02; G06F-013/40;

ABSTRACT WORD COUNT: 101

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	3705
SPEC A	(English)	EPABF2	38113
Total word count - document A			41818
Total word count - document B			0
Total word count - documents A + B			41818

...SPECIFICATION dead state of the battery during the use of the computer.

In a conventional personal **computer** or the like, this battery remaining level is **displayed** in **percentage**. A method of displaying the remaining battery level in percentage is as follows.

1) An...display, comprising a sub-display, arranged in the portable computer, for displaying a plurality of **icons** representing various operating states of the portable computer, a register group which is accessed by...

...peripheral controllers and in which display control data for controlling ON/OFF states of the **icons** of the sub-display are set by the CPU and the peripheral controller, and an **icon** display control circuit for ON/OFF-controlling each **icon** of the sub-display in accordance with the display control data set in the register...

...main display, and various operating states are indicated by the ON/OFF states of the **icons** on the sub-display. In this case, the display control data for the sub-display are set in the register group by the CPU and other peripheral controllers. The **icon** display control circuit ON/OFF-controls the **icons** on the sub-display in accordance with the display control data. In this manner, the...

...display, comprising a sub-display, arranged in the portable computer, for displaying a plurality of **icons** representing various operating states of the portable computer, a register group which is accessed by...

31/3,K/2 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00507940 **Image available**

SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR MONITORING AND
CONTROLLING MAIL PROCESSING DEVICES

SYSTEMES, PROCEDES ET PROGICIELS POUR LA SURVEILLANCE ET LA COMMANDE DE
DISPOSITIFS DE TRAITEMENT DU COURRIER

Patent Applicant/Assignee:

BELL & HOWELL MAIL PROCESSING SYSTEMS COMPANY,

Inventor(s):

GERTNER Patricia A,

STERLING William A,

NARDIN Richard C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9939292 A1 19990805

Application: WO 99US1699 19990127 (PCT/WO US9901699)

Priority Application: US 9816715 19980130; US 9879620 19980515

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH
GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE
SN TD TG

Publication Language: English

Fulltext Word Count: 10733

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... machine. Each mail insertion machine is represented on a computer
visual display as an interactive **icon** . Visible indicia are associated
with each **icon** for conveying, in real time, operational status
information pertaining to the mail inserting machine represented by the
icon .

31/3,K/3 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00370616 **Image available**
MEASUREMENT OF MOISTURE CONTENT OF TIMBER
MESURE DE LA TENEUR EN HUMIDITE DU BOIS
Patent Applicant/Assignee:
INSTITUTT FOR ENERGITEKNIKK,
SCHATVET Johnny,

File 9:Business & Industry(R) Jul/1994-2004/Dec 21
 (c) 2004 The Gale Group
 File 15:ABI/Inform(R) 1971-2004/Dec 21
 (c) 2004 ProQuest Info&Learning
 File 16:Gale Group PROMT(R) 1990-2004/Dec 22
 (c) 2004 The Gale Group
 File 20:Dialog Global Reporter 1997-2004/Dec 22
 (c) 2004 The Dialog Corp.
 File 47:Gale Group Magazine DB(TM) 1959-2004/Dec 22
 (c) 2004 The Gale group
 File 75:TGG Management Contents(R) 86-2004/Dec W1
 (c) 2004 The Gale Group
 File 80:TGG Aerospace/Def.Mkts(R) 1982-2004/Dec 22
 (c) 2004 The Gale Group
 File 88:Gale Group Business A.R.T.S. 1976-2004/Dec 20
 (c) 2004 The Gale Group
 File 98:General Sci Abs/Full-Text 1984-2004/Sep
 (c) 2004 The HW Wilson Co.
 File 112:UBM Industry News 1998-2004/Jan 27
 (c) 2004 United Business Media
 File 141:Readers Guide 1983-2004/Sep
 (c) 2004 The HW Wilson Co
 File 148:Gale Group Trade & Industry DB 1976-2004/Dec 22
 (c)2004 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2004/Dec 22
 (c) 2004 The Gale Group
 File 264:DIALOG Defense Newsletters 1989-2004/Dec 21
 (c) 2004 The Dialog Corp.
 File 484:Periodical Abs Plustext 1986-2004/Dec W2
 (c) 2004 ProQuest
 File 553:Wilson Bus. Abs. FullText 1982-2004/Sep
 (c) 2004 The HW Wilson Co
 File 570:Gale Group MARS(R) 1984-2004/Dec 22
 (c) 2004 The Gale Group
 File 608:KR/T Bus.News. 1992-2004/Dec 20
 (c)2004 Knight Ridder/Tribune Bus News
 File 620:EIU:Viewswire 2004/Dec 21
 (c) 2004 Economist Intelligence Unit
 File 613:PR Newswire 1999-2004/Dec 22
 (c) 2004 PR Newswire Association Inc
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Dec 22
 (c) 2004 The Gale Group
 File 623:Business Week 1985-2004/Dec 21
 (c) 2004 The McGraw-Hill Companies Inc
 File 624:McGraw-Hill Publications 1985-2004/Dec 21
 (c) 2004 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2004/Dec 21
 (c) 2004 San Jose Mercury News
 File 635:Business Dateline(R) 1985-2004/Dec 21
 (c) 2004 ProQuest Info&Learning
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Dec 22
 (c) 2004 The Gale Group
 File 647:CMP Computer Fulltext 1988-2004/Dec W2
 (c) 2004 CMP Media, LLC
 File 696:DIALOG Telecom. Newsletters 1995-2004/Dec 21
 (c) 2004 The Dialog Corp.
 File 674:Computer News Fulltext 1989-2004/Dec W1
 (c) 2004 IDG Communications

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 587:Jane's Defense&Aerospace 2004/Dec W2
(c) 2004 Jane's Information Group

Set	Items	Description
S1	2699022	WIDGET?? OR ICON?? OR SYMBOL? OR HYPERACTIVE(3N)LINK? OR M-ETATHING OR META()THING OR GUI OR GRAPHICAL?(3N)INTERFACE?
S2	2700076	(S1 OR TEXT()FIELD)
S3	40929	USER() (INPUT OR CONTROL? OR INTERACT?)
S4	24290	S1(3N) (FIRST OR INITIAL)
S5	5069	S1(3N) (SECOND OR SUBSEQUENT)
S6	3779	S1(3N)THIRD
S7	4111	SIZE?(5N)SECOND(5N) (LARGER? OR BIGGER OR ENLARG? OR INCREA-S? OR RESIZ?)
S8	27	(REMOV? OR REPLAC? OR HIDE OR HID OR HIDING OR TRANSPAREN?-) (3N)S5
S9	8636	PERCENT?(3N)DISPLAY??
S10	530	AU=(AMRO, H? OR DODSON, J? OR AMRO H? OR DODSON J?)
S11	0	(INSERT? OR REPLAC?) (3N)USER() INPUT(5N)S5
S12	8	S1 AND S10
S13	4	RD S12 (unique items)
S14	2	S13 NOT JUDI
S15	0	S14 NOT (JODY OR GOLF)
S16	20	S4(S)S5(S)S6
S17	0	S16(S)S7
S18	0	S16(S)S9
S19	2	S16(S) (REMOV? OR REPLAC? OR HIDE OR HID OR HIDING OR TRANS-PAREN?)
S20	2	RD S19 (unique items)
S21	0	S20 NOT (POLITICS OR SHADOWS)
S22	696	S2(10N)S3
S23	0	S22(10N)S9
S24	11926176	COMPUTER? OR LAPTOP
S25	512387	PDA OR PERSONAL()DIGITAL()ASSISTANT? OR (POCKET OR PORTABLE OR PALM()TOP OR PALMTOP OR HAND()HELD OR HANDHELD) () (COMPUTE-R? OR DEVICE?) OR PALM(2N)PILOT
S26	0	(S24 OR S25) (5N)S7(5N)DISPLAY???
S27	597	(S24 OR S25) (S)S9
S28	9	S27(S)S2
S29	9	S28 NOT (S13 OR S19)
S30	8	RD S29 (unique items)

30/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

4205227 Supplier Number: 111202607 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Going laptopless: you can leave the heavy hardware in the office.
(Tools: PDAs)
Business Traveler, v 16, n 10, p 66
November 2003
DOCUMENT TYPE: Journal ISSN: 0955-7288 (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 733

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Palm's new T3 (street price \$399), introduced in early October, is the most powerful **handheld device** yet and features some eye-popping innovations like a large and brilliant 320 by 480 **display**, roughly 50 **percent** larger than that of other Palm handhelds, that can be viewed in either portrait or landscape orientation with the tap of an onscreen **icon**. A new 400 MHz Intel processor and 64 MB of internal memory make it a...

30/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02335081 Supplier Number: 43060753 (USE FORMAT 7 FOR FULLTEXT)
Japan Thin-Film Displays Dim Despite \$500M Try
Electronic News (1991), p1
June 8, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1688

... in the Japanese market and positions its first notebook computer as suited for such popular **graphical user interface** environments as Microsoft's Windows. Its marketing messages - advertising literature and TV commercials - tout the...

30/3,K/3 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

13837185
Mark your calendar, it's calendar time
YOMIURI SHIMBUN/DAILY YOMIURI
November 18, 2000
JOURNAL CODE: FYOM LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 619

... commonly associated with good fortune. The company also reports brisk sales of "Seikatsu Benri Memo, **Icon Calendar NU**," a new design that provides tips for daily living using images of **computer icons**. ===
Support for Chernobyl children To commemorate next year's 15th anniversary of the Chernobyl accident...

30/3,K/4 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06771697 SUPPLIER NUMBER: 14795349 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Macintosh utilities. (Kudo Portfolio PICTpocket, Kudo Image Convert, Kudo
Font Book) (Software Review) (Evaluation)**
Skinner, Bob
Library Software Review, v12, n3, p82(3)
Fall, 1993
DOCUMENT TYPE: Evaluation ISSN: 0742-5759 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1067 LINE COUNT: 00084

... a disk of graphics, and drag it or them on top of the PICTpocket
application **icon** . PICTpocket will automatically produce aliases for each
file and put them in a new folder...

...TIFF, for example). Missing, unfortunately, are two popular formats
frequently found on the Internet and **computer** bulletin boards, JPEG and
GIF, although translators for both are promised.
PICTpocket seems robust, freezing...

30/3,K/5 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05893554 SUPPLIER NUMBER: 12345775 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Japan thin-film displays dim despite \$500M try. (production problems
trouble industry)**
Crothers, Brooke
Electronic News (1991), v38, n1915, p1(2)
June 8, 1992
ISSN: 1061-6624 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1762 LINE COUNT: 00137

... in the Japanese market and positions its first notebook computer as
suited for such popular **graphical** user **interface** environments as
Microsoft's Windows. Its marketing messages -- advertising literature and
TV commercials -- tout the...

30/3,K/6 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02044017 SUPPLIER NUMBER: 19165713 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Carnage in the cornfield: Antietam is the best of an excellent series.
**(TalonSoft's Battleground: Antietam Civil War simulation game) (includes
a related article on the game's scenarios) (Software Review) (Evaluation)**
Proctor, Bob
Computer Gaming World, n152, p196(2)
March, 1997
DOCUMENT TYPE: Evaluation ISSN: 0744-6667 LANGUAGE: English
RECORD TYPE: Fulltext

WORD COUNT: 1102 LINE COUNT: 00083

... but it seems like forever.

In spite of this, the game plays very well on **computers** with just the minimum requirements, especially those that support a resolution higher than 640 x...

...x 768--about three and a half times more area! This is large enough to **display** 80 to 90 **percent** of the map for the smaller scenarios, which means you'll hardly ever have to...

...find the 2D display mode a little clearer. It uses squares or counters for unit **icons** and just doesn't have the visual appeal of the 3D mode. It's also...

30/3,K/7 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2004 ProQuest. All rts. reserv.

06320733 SUPPLIER NUMBER: 9186055 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Increasing independence and freedom with high tech aids and devices
Belanich, James
American Rehabilitation (IARH), v21 n2, p15
Summer 1995
ISSN: 0362-4048 JOURNAL CODE: IARH
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2801

TEXT:

... and magnification.

A braille access device is a peripheral device that is connected to a **computer**. It acts as a monitor for a braille reader. Instead of looking at a **computer** monitor, the user of the braille access device feels the information in braille. There are...

...less expensive models have less than 80, while a few have more. Conversely, the typical **computer** monitor has 25 lines of text with 80 characters per line. This means that a typical braille display can only **display** approximately 4 **percent** of the information that a standard **computer** monitor can at any one time. To overcome this disadvantage, braille access devices are manipulated...

...a memory resident program that allows the braille user to access all areas of the **computer** monitor. Another difference between braille and print is the use of graphics. With a braille access device, only letters, numbers, punctuation, and some standard **symbols** can be displayed. Graphics cannot be converted to braille because there is no standardized system...

30/3,K/8 (Item 1 from file: 608)
DIALOG(R)File 608:KR/T Bus.News.
(c)2004 Knight Ridder/Tribune Bus News. All rts. reserv.

06763265 (USE FORMAT 7 OR 9 FOR FULLTEXT)
The Orlando Sentinel, Fla., Computer Column

Chris Cobbs
Orlando Sentinel, Fla
March 25, 2000

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH
WORD COUNT: 536

...TEXT: a simpler interface.

More new toys. IBM will be taking the wraps off several new **computer** lines. One is a slim, all-in-one model, code-named Luxor, designed for easy Internet use.

The Luxor, which comes with a 15-inch flat panel **display**, is 75 **percent** smaller than many desktops, measuring 16-by-16-by-10 inches, IBM said. The design...

...Stardust feature seven USB ports for easy connections to printers, modems and other accessories. Many **computer** makers are moving to USB ports to replace older parallel and serial connectors.
Scam of...

...different underlying structure. The early version reportedly looks a lot like Windows 2000, but the **graphical** user **interface** may undergo changes.

A Microsoft official cautioned users against downloading the version of Whistler that...

?